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: 24/04/24 (yy/mm/dd) Initials: H.M.

Kinematics: KinC_x 60_2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.455 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.81 mm (Nomin:)	0.28 mm (Nomin:)
3H07C	0.71 mm (Nomin:)	0.28 mm (Nomin:)

HMS p: +3.805 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS θ(TV): 32.86 (Nearest 0.005)

NPS θ = SHMS −16.30° 16.56 (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: 6193 | 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): 21:37 | Stop time (from RC): 22:09

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

hTRIG1 rate: 1.77×10^6 | hTRIG3 rate: 876 | hTRIG4 rate: 572 | hTRIG5 rate: 360 | hTRIG6 rate: 244

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8/8, LH2

Events 776K | Charge 38.6 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 % | Max NPS anode current (single crystal): 8.3 (μA)

Run Number: 6194 | 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): 22:10 | Stop time (from RC): 22:31

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

hTRIG1 rate: 825K | hTRIG3 rate: 576 | hTRIG4 rate: 399 | hTRIG5 rate: 155 | hTRIG6 rate: 117

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 20μA, LH2

Events 385K | Charge 19 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 5.8 (μA)

Run Number: 6195 | 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): 22:33 | Stop time (from RC): 23:03

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

hTRIG1 rate: 361K | hTRIG3 rate: 329 | hTRIG4 rate: 218 | hTRIG5 rate: 68 | hTRIG6 rate: 57

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 10μA, LH2

Events 368K | Charge 16.3C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 2.87 (μA)

Run Number: 6196 | 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): 23:06 | Stop time (from RC): 23:21

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

hTRIG1 rate: 1.75×10^6 | hTRIG3 rate: 850 | hTRIG4 rate: 561 | hTRIG5 rate: 358 | hTRIG6 rate: 243

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: 30 μA, coin, LH2

Events 491K | Charge 25 C | 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: 24/09/24 (yy/mm/dd) Initials: H.M.

Kinematics: KinC_x 60_2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2×2

Beam position and angle on target:

	X	Y
3H07A	1.80 mm (Nomin:)	0.30 mm (Nomin:)
3H07C	0.70 mm (Nomin:)	0.30 mm (Nomin:)

HMS

p: +10 3.805 From GUI θ(TV): 22.94 Nearest 0.005

SHMS

θ(TV): 32.26 Nearest 0.005

NPS

θ = SHMS −16.30° 16.56 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: 6197 | I_{beam}: 30 μA

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

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

Start time (from RC): 23:25 Stop time (from RC): 23:41

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

hTRIG1 rate 1.71×10^6 | hTRIG3 rate 888 | hTRIG4 rate 568 | hTRIG5 rate 340 | hTRIG6 rate 250

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: PS3=2 , LH2

Events 134K Charge 19 C

Active trigger LiveTime fraction (NPS Scaler Gui): —

Max NPS anode current (single crystal): 8 (μA)

Run Number: 6198 | 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): 1:06 Stop time (from RC): 1:37

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

hTRIG1 rate 2.01×10^6 | hTRIG3 rate 721 | hTRIG4 rate 380 | hTRIG5 rate 325 | hTRIG6 rate 198

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 656K Charge 32 C

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

Max NPS anode current (single crystal): 8.44 (μA)

Run Number: 6199 | 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): 1:37 Stop time (from RC): 2:11

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

hTRIG1 rate $2.08 \cdot 10^6$ | hTRIG3 rate 763 | hTRIG4 rate 406 | hTRIG5 rate 344 | hTRIG6 rate 184

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 615 Charge 29 C

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

Max NPS anode current (single crystal): 8.88 (μA)

Run Number: 6200 | 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): 2:12 Stop time (from RC): 2:43

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

hTRIG1 rate $2.02 \cdot 10^6$ | hTRIG3 rate 747 | hTRIG4 rate 343 | hTRIG5 rate 326 | hTRIG6 rate 193

☑ Data ok ☐ Junk

☑ coin_sparse ☐ in ☐ coin_sparse_low

Comments:

Events 618K Charge 30 C

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

Max NPS anode current (single crystal): 8.43 (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 / 4 / 25 (yy / mm / dd) Initials: MK

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.956 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.81 mm (Nomin:)	0.30 mm (Nomin:)
3H07C	0.64 mm (Nomin:)	0.36 mm (Nomin:)

HMS p: +10 − 3.525 From GUI; θ(TV): 22.94 Nearest 0.005

SHMS θ(TV): 32.86 Nearest 0.005

NPS θ = SHMS −16.30° = 16.56 Nearest 0.005

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

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Run Number: 6201

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): 3:02

Stop time (from RC): 3:32

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

hTRIG1 rate $2.19 \cdot 10^6$ | hTRIG3 rate 1698 | hTRIG4 rate 969

hTRIG5 rate 902 | hTRIG6 rate 532

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/12

Events 1.52 mil Charge 30 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 9.82 (μA)

Run Number: 6202

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): 3:33

Stop time (from RC): 4:03

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

hTRIG1 rate $2.19 \cdot 10^6$ | hTRIG3 rate 1693 | hTRIG4 rate 1016

hTRIG5 rate 876 | hTRIG6 rate 524

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/12

Events 1.6 mil Charge 31 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 10.13 (μA)

Run Number: 6203

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): 4:04

Stop time (from RC): 4:34

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

hTRIG1 rate $2.23 \cdot 10^6$ | hTRIG3 rate 1681 | hTRIG4 rate 978

hTRIG5 rate 897 | hTRIG6 rate 545

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/12

Events 1.51 mil Charge 30 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 9.69 (μA)

Run Number: 6204

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): 4:36

Stop time (from RC): 5:07

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

hTRIG1 rate $2.19 \cdot 10^6$ | hTRIG3 rate 1727 | hTRIG4 rate 1009

hTRIG5 rate 924 | hTRIG6 rate 545

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4/12

Events 1.64 mil Charge 31 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 9.84 (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 / 4 / 25 (yy / mm / dd) Initials: MK

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- −3.805 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS θ(TV): 32.86 (Nearest 0.005)

NPS θ = SHMS −16.30° 16.56 (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	1.74 mm	0.31 mm
Nomin:		Nomin:

3H07C	X	Y
	0.70 mm	0.30 mm
Nomin:		Nomin:

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

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Run Number: 6205 | 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): 5:08 | Stop time (from RC): 5:22

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

hTRIG1 rate $2.2 \cdot 10^6$ | hTRIG3 rate 1727 | hTRIG4 rate 990 | hTRIG5 rate 903 | hTRIG6 rate 562

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5/12 stopped early.

Events 691K | Charge 13 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 9.50 (μA)

Run Number: ~~6205~~ 6206 | 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): 5:31 | Stop time (from RC): 6:12

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

hTRIG1 rate $2.23 \cdot 10^6$ | hTRIG3 rate 1681 | hTRIG4 rate 966 | hTRIG5 rate 909 | hTRIG6 rate 526

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6/12

Events 2 mil | Charge 40 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 9.75 (μA)

Run Number: 6207 | 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: 6 PS5: −1 PS6: −1

Start time (from RC): 6:13 | Stop time (from RC): 6:46

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

hTRIG1 rate $2.21 \cdot 10^6$ | hTRIG3 rate 1713 | hTRIG4 rate 987 | hTRIG5 rate 956 | hTRIG6 rate 553

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7/12

Events 1.7 mil | Charge 33m C | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 9.48 (μA)

Run Number: 6208 | 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): 6:47 | Stop time (from RC): 7:17

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

hTRIG1 rate $2.22 \cdot 10^6$ | hTRIG3 rate 1707 | hTRIG4 rate 1001 | hTRIG5 rate 987 | hTRIG6 rate 555

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8/12

Events 1.6 mil | Charge 32 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 9.83 (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 / 4 / 25 (yy / mm / dd) Initials: MK

Kinematics: KinC_x 60_26

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

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

E_{beam}: 8.498 GeV

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

HMS
p: +/- −3.805 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS
θ(TV): 32.86 (Nearest 0.005)

NPS
θ = SHMS −16.30° = 16.56 (Nearest 0.005)

Beam position and angle on target:

	X	Y
3H07A	1.79 mm (Nomin:)	0.29 mm (Nomin:)
3H07C	0.69 mm (Nomin:)	0.30 mm (Nomin:)

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: 6209
I_{beam}: 20 μA
- [ ] LH2 10cm
- [x] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [ ]

PS1: −1, PS2: −1, PS3: −1, PS4: 6, PS5: −1, PS6: −1

Start time (from RC): 7:18
Stop time (from RC): 7:48

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

hTRIG1 rate: $2.20 \cdot 10^6$
hTRIG3 rate: 1708
hTRIG4 rate: 1005
hTRIG5 rate: 914
hTRIG6 rate: 536

- [x] Data ok
- [ ] Junk

- [x] coin_sparse
- [ ] coin
- [ ] coin_sparse_low

Comments: 9/12

Events 1.5mil
Charge 30 C
Active trigger LiveTime fraction (NPS Scaler Gui): 100%
Max NPS anode current (single crystal): 9.76 (μA)

Run Number: 6210
I_{beam}: 20 μA
- [ ] LH2 10cm
- [x] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [ ]

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

Start time (from RC): 7:48
Stop time (from RC): 8:28

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

hTRIG1 rate: $2.23 \cdot 10^6$
hTRIG3 rate: 1701
hTRIG4 rate: 997
hTRIG5 rate: 890
hTRIG6 rate: 540

- [x] Data ok
- [ ] Junk

- [x] coin_sparse
- [ ] coin
- [ ] coin_sparse_low

Comments: 10/12

Events 1.9 MIL
Charge 37 C
Active trigger LiveTime fraction (NPS Scaler Gui): 100%
Max NPS anode current (single crystal): 9.70 (μA)

Run Number: 6211
I_{beam}: 20 μA
- [ ] LH2 10cm
- [x] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [ ]

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

Start time (from RC): 8:29
Stop time (from RC): 8:36

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

hTRIG1 rate: 2.22×10^6
hTRIG3 rate: 1726.5
hTRIG4 rate: 973.2
hTRIG5 rate: 916.3
hTRIG6 rate: 546.3

- [x] Data ok
- [ ] Junk

- [x] coin_sparse
- [ ] coin
- [ ] coin_sparse_low

Comments: 11/12, LD2

Events 260K
Charge 4.9 C
Active trigger LiveTime fraction (NPS Scaler Gui): 99.87%
Max NPS anode current (single crystal): 3.51 (μA)

Run Number: 6212
I_{beam}: ____ 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): 11:40
Stop time (from RC): 11:49

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

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

- [ ] Data ok
- [ ] Junk

- [ ] coin_sparse
- [ ] coin
- [ ] coin_sparse_low

Comments: 12/12, LD2

Events 29K
Charge 0.4 C
Active trigger LiveTime fraction (NPS Scaler Gui): 100%
Max NPS anode current (single crystal): (μA)

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

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

Use a separate sheet for each configuration.

Date: 25 / 9 / 25 (yy / mm / dd) Initials: J.C

Kinematics: KinC_x 60-26

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.457 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A	X	Y
	1.77 mm	0.29 mm
Nomin:		

3H07C	X	Y
	0.68 mm	0.32 mm
Nomin:		

HMS p: +/- -3.605 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS θ(TV): 32.86 (Nearest 0.005)

NPS θ = SHMS −16.30° 16.56 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 4.66 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 6213 | 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): 11:50 | Stop time (from RC): 12:12

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

hTRIG1 rate 1.84 x10^6 | hTRIG3 rate 885 | hTRIG4 rate 557.3 | hTRIG5 rate 365.2 | hTRIG6 rate 269.6

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/8, LH2

Events 685K Charge 33.5C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 % | Max NPS anode current (single crystal) 89.58 (μA)

Run Number: 6214 | 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): 12:21 | Stop time (from RC): 12:25

☑ 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: 2/8

Events 28K Charge 0.94C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 % | Max NPS anode current (single crystal) (μA)

Run Number: 6215 | 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): 12:29 | Stop time (from RC): 12:59

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

hTRIG1 rate 461.6 | hTRIG3 rate 998 | hTRIG4 rate 660.8 | hTRIG5 rate 468.7 | hTRIG6 rate 323.1

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/8

Events 338K Charge____C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.894 % | Max NPS anode current (single crystal) 9.55 (μA)

Run Number: 6216 | 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): 13:56 | Stop time (from RC): 14:18

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

hTRIG1 rate 9.45 x10^5 | hTRIG3 rate 690.6 | hTRIG4 rate 593.4 | hTRIG5 rate 438.4 | hTRIG6 rate 281.6

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4/8

Events 495K Charge____C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.221 % | Max NPS anode current (single crystal) 9.10 (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: 24/04/25 (yy/mm/dd) **Initials:** A.Hogh

Kinematics: KinC_x 60_26

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8456 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +[2]3.805 (From GUI) θ(TV): 22.91 (Nearest 0.005)

SHMS θ(TV): +32.86 (Nearest 0.005)

NPS θ = SHMS −16.30° 16.56 (Nearest 0.005)

Beam position and angle on target:

3H07A X	3H07A Y
1.80 mm (Nomin:)	0.3 mm (Nomin:)
3H07C X	**3H07C Y**
0.7 mm (Nomin:)	0.28 mm (Nomin:)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 4196 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 6217 | 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): 19:53 | Stop time (from RC): | ☐ Settings Verified? ☐ HV OK? ☐ 50k OK?

hTRIG1 rate 8.22e6 | hTRIG3 rate 570 | hTRIG4 rate 388 | hTRIG5 rate 136 | hTRIG6 rate 106 | ☐ Data ok ☑ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5/8

Events_____ Charge____C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 5.6 (μA)

Run Number: 6218 | I_{beam}: 30 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): 20:05 | Stop time (from RC): 20:44 | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 8.22e6 | hTRIG3 rate 562 | hTRIG4 rate 398 | hTRIG5 rate 152 | hTRIG6 rate 112 | ☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5/8

Events 565K Charge____C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 5.5 (μA)

Run Number: 6219 | I_{beam}: 30 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): 20:46 | Stop time (from RC): 21:20 | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.4e6 | hTRIG3 rate 775 | hTRIG4 rate 529 | hTRIG5 rate 298 | hTRIG6 rate 196 | ☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6/8

Events_____ Charge____C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 7.68 (μA)

Run Number: 6220 | I_{beam}: 30 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): 21:21 | Stop time (from RC): | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.46e6 | hTRIG3 rate 790 | hTRIG4 rate 533 | hTRIG5 rate 292 | hTRIG6 rate 181.7 | ☑ Data ok ☐ Junk

☐ coin_sparse ☐ in ☐ coin_sparse_low

Comments: 7/8

Events 946K Charge____C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 7.58 (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: 24/04/25 (yy/mm/dd) Initials: A.Hagh

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2×2

Beam position and angle on target:

3H07A X	3H07A Y
1.76 mm (Nomin:)	0.31 mm (Nomin:)
3H07C X	3H07C Y
0.69 mm (Nomin:)	0.29 mm (Nomin:)

HMS p: +0.3805 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS θ(TV): +32.86 (Nearest 0.005)

NPS θ = SHMS −16.30° 16.56 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 486 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 6221 | I_{beam}: 30 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): 21:56 | Stop time (from RC): 22:28

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

hTRIG1 rate: 1.45e6 | hTRIG3 rate: 797.9 | hTRIG4 rate: 531 | hTRIG5 rate: 273 | hTRIG6 rate: 204

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 8/8

Events 896k Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 7.68 (μA)

Run Number: 6222 | 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): 22:36 | Stop time (from RC): 22:57

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

hTRIG1 rate: 8.11e5 | hTRIG3 rate: 572 | hTRIG4 rate: 382 | hTRIG5 rate: 144 | hTRIG6 rate: 106

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1 20 μA run

Events 445k Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 5.49 (μA)

Run Number: 6223 | I_{beam}: 10 μA

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

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

Start time (from RC): 23:01 | Stop time (from RC): 23:34

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

hTRIG1 rate: 3.51e5 | hTRIG3 rate: 306 | hTRIG4 rate: 212 | hTRIG5 rate: 72.7 | hTRIG6 rate: 59.7

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1 10 μA run

Events 403k Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

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

Run Number: 6224 | I_{beam}: 30 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): 23:37 | Stop time (from RC): 23:53

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

hTRIG1 rate: 1.03e6 | hTRIG3 rate: 743 | hTRIG4 rate: 480 | hTRIG5 rate: 234 | hTRIG6 rate: 167

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments: 1 30 μA run

Events 105k Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 5.60 (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_x60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.656 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.76 mm Nomin:	0.31 mm Nomin:
3H07C	0.67 mm Nomin:	0.29 mm Nomin:

HMS p: +93805 From GUI θ(TV): 22.94 Nearest 0.005

SHMS θ(TV): 32.86 Nearest 0.005

NPS θ = SHMS −16.30° 16.56 Nearest 0.005

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 486 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 6226 | I_{beam}: 30 μA

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

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

Start time (from RC): 00:00:52 | Stop time (from RC):

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

hTRIG1 rate 8.44e5 | hTRIG3 rate 799.1 | hTRIG4 rate 538.4 | hTRIG5 rate 297.7 | hTRIG6 rate 211

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 15 min run

Events 218K Charge ~~218~~ 31.8mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 8.15 (μA)

Run Number: 6227 | 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): 00:32:19 | Stop time (from RC):

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

hTRIG1 rate 7.56e5 | hTRIG3 rate 771.1 | hTRIG4 rate 391.3 | hTRIG5 rate 340.1 | hTRIG6 rate 210.8

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 30 min run 1/3 Dummy

Events 163K Charge ____C 32.4mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 2.8 (μA)

Run Number: 6228 | 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): 01:07:47 | Stop time (from RC): 01:41:14

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

hTRIG1 rate 7.12e5 | hTRIG3 rate 722.1 | hTRIG4 rate 371.3 | hTRIG5 rate 300.4 | hTRIG6 rate 177.7

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 30 min run 2/3 Dummy

Events 746K Charge ~~3.18~~ 37.2mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 8.78 (μA)

Run Number: 6229 | 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): 01:43:42 | Stop time (from RC): 02:13:59

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

hTRIG1 rate 7.28e5 | hTRIG3 rate 734.1 | hTRIG4 rate 386.8 | hTRIG5 rate 288.2 | hTRIG6 rate 171.0

☑ Data ok ☐ Junk

coin_sparse ☑ in ☐ coin_sparse_low ☐

Comments: 20 min run 3/3 Dummy

Beam was off after 20 min of data taking

Events 418K Charge ____C 19.5mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 8.25 (μA)

p(e,e'γ) p Run Sheet

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

Use a separate sheet for each configuration.

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

Kinematics: KinC_x 60_2

Purpose: [x] Production [ ] Test [ ] Optics [ ] Other: ______

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

E_{beam}: 8.456 GeV

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

Beam position and angle on target:

	X	Y
3H07A	1.808 mm (Nomin:)	0.20 mm (Nomin:)
3H07C	0.7 mm (Nomin:)	0.31 mm (Nomin:)

HMS p: +/- 3.806 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS θ(TV): 32.86 (Nearest 0.005)

NPS θ = SHMS −16.30° 16.56 (Nearest 0.005)

Collimator: HMS: Large [x] Sieve [ ] | NPS Sweep Magnet I = 1.86 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

Run Number	I_{beam}	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
6230	20 µA	Dummy 10cm	-1	-1	-1	0	-1	-1	02:23:27	02:40:50	✓	✓	✓	7.34e6	739.4	378.6	298.3	166.9	Data ok
6231	20 µA	LD2 10cm	-1	-1	-1	0	-1	-1	02:54:57	03:29:37	✓	✓	✓	2.22e6	1725.9	987.6	869	536.8	Data ok
6232	20 µA	LD2 10cm	-1	-1	-1	0	-1	-1	03:45:10	04:19:05	✓	✓	✓	2.16e6	1671.9	996.2	910.4	559.1	Data ok
6233	20 µA	LD2 10cm	-1	-1	-1	0	-1	-1	04:21:38		✓	✓	✓	2.2010e6	1695.1	1001.6	910.6	556.9	Data ok

Target options: LH2 10cm, LD2 10cm, Dummy 10cm, Optics#1 8cm, C 0.5% rl.l, ____

Run Number	Trigger (coin_sparse / coin / coin_sparse_low)	Comments	Events	Charge	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (µA)
6230	coin_sparse	continuation of the previous run 15 min run	349	17.26 mC	100%	8.71
6231	coin_sparse	1/12 of 30 min runs	1.62M	31.96 mC	99.96%	9.62
6232	coin_sparse	2/12 of 30 min runs	1.7M	34.5 mC	99.92%	9.87
6233	coin_sparse	3/12 of 30min runs	2M	40.6 mC	100%	9.50

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

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

Use a separate sheet for each configuration.

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

Kinematics: KinC_x 60_2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2.2

Beam position and angle on target:

	X	Y
3H07A	1.808 mm (Nomin:)	0.29 mm (Nomin:)
3H07C	0.17 mm (Nomin:)	0.31 mm (Nomin:)

HMS: p: +/- 3.805 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS: θ(TV): 32.86 (Nearest 0.005)

NPS: θ = SHMS −16.30° 16.56 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 486 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 6234 | 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): 05:04:59 | Stop time (from RC): 05:22:35

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

hTRIG1 rate 2.16 10^6 | hTRIG3 rate 1742.4 | hTRIG4 rate 1012.4 | hTRIG5 rate 888.7 | hTRIG6 rate 535.2

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 4/12 of the ~~30~~ 15 min runs (this one 15 min)

Events 898K | Charge ____C | 17.39 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 95.88%

Max NPS anode current (single crystal): 9.48 (μA)

Run Number: 6235 | 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): 05:31:23 | Stop time (from RC): 06:18:49

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

hTRIG1 rate 2.17 e^6 | hTRIG3 rate 1706.8 | hTRIG4 rate 997.1 | hTRIG5 rate 912.5 | hTRIG6 rate 534.5

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 5/12 of the 30 min runs (this is a 45 min run)

Events 2.5M | Charge ____C | 49.86 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.89

Max NPS anode current (single crystal): 9.74 (μA)

Run Number: 6236 | 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): 06:21:31 | Stop time (from RC): 06:56:32

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

hTRIG1 rate 2.17 e^6 | hTRIG3 rate 1733.7 | hTRIG4 rate 1006.2 | hTRIG5 rate 872.1 | hTRIG6 rate 532.0

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 6/12 of the 30 min runs

Events 1.6M | Charge ____C | 30.8 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 90.92%

Max NPS anode current (single crystal): 9.39 (μA)

Run Number: 6237 | 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): 06:59:52 | Stop time (from RC): 07:34:09

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

hTRIG1 rate 2.16 10^6 | hTRIG3 rate 1728.7 | hTRIG4 rate 1004.6 | hTRIG5 rate 895.9 | hTRIG6 rate 517.8

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 7/12 of the

Events 1.9M | Charge ____C | 38.72 mC

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

Max NPS anode current (single crystal): 9.85 (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 / 04 / 26 (yy / mm / dd) Initials: J-C

Kinematics: KinC_x60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.466 GeV

Raster: ☑ On ☐ Off Size: 2.2

Beam position and angle on target:

3H07A X	Y
1.808 mm Nomin:	0.29 mm Nomin:
3H07C X	Y
0.7 mm Nomin:	0.31 mm Nomin:

HMS

p: +/- 3.805 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS

θ(TV): 32.86 (Nearest 0.005)

NPS

θ = SHMS −16.30° = 16.56 (Nearest 0.005)

↳ MOVED TO 32.50 AT 8:45 AM

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 486 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 6238 | 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): 07:37:06 | Stop time (from RC): 8:10

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

hTRIG1 rate 2.17 $\times 10^6$ | hTRIG3 rate 1748.2 | hTRIG4 rate 1011 | hTRIG5 rate ~~934.2~~ | hTRIG6 rate 541.9 | ☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8/12 of the 30 min runs

Events 1.8 Mn | Charge 35.8 C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.89% | Max NPS anode current (single crystal) 9.49 (μA)

Run Number: 6239 | 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): 8:12 | Stop time (from RC): 8:30

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

hTRIG1 rate 1.24 $\times 10^6$ | hTRIG3 rate 1716.7 | hTRIG4 rate 961.5 | hTRIG5 rate 923.4 | hTRIG6 rate 519.3 | ☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 9/12 OF THE 30 MIN RUNS

Events 756K | Charge 14.92 C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.962% | Max NPS anode current (single crystal) 9.78 (μA)

Run Number: 6240 | 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): 12:59 | Stop time (from RC): 13:29

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

hTRIG1 rate 2.22 $\times 10^6$ | hTRIG3 rate 1736.4 | hTRIG4 rate 977.1 | hTRIG5 rate 928.6 | hTRIG6 rate 528.2 | ☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 10/12 OF THE 30 MN RUNS

Events 1.2 M | Charge 22.11 C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.998% | Max NPS anode current (single crystal) 9.64 (μA)

Run Number: 6241 | 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): 18:33 | Stop time (from RC):

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

hTRIG1 rate 2.3e6 | hTRIG3 rate 1733 | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate | ☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 11/12 LD2

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

↳ junk run

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

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

Use a separate sheet for each configuration.

Date: 24 / 01 / 26 (yy / mm / dd) Initials: [illegible]

Kinematics: KinC_x60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

	X	Y
3H07A	1.85 mm (Nomin:)	0.3 mm (Nomin:)
3H07C	0.75 mm (Nomin:)	0.3 mm (Nomin:)

HMS p: +63.805 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS θ(TV): 32.87 (Nearest 0.005)

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

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

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Run Number: 6242 | I_{beam}: 20 μA

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

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

Start time (from RC): 19:06 | Stop time (from RC): 19:45

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

hTRIG1 rate: 2.22e6 | hTRIG3 rate: 1691 | hTRIG4 rate: 991 | hTRIG5 rate: 916 | hTRIG6 rate: 556

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 11/12 LD_2

Events 1.61M | Charge 31.1 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 10.06 (μA)

Run Number: 6243 | I_{beam}: 20 μA

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

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

Start time (from RC): 19:46 | Stop time (from RC): 20:16

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

hTRIG1 rate: 2.28e6 | hTRIG3 rate: 1701 | hTRIG4 rate: 974 | hTRIG5 rate: 920 | hTRIG6 rate: 531

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 12/12 LD_2

Events 1.59M | Charge 30.9 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 9.72 (μA)

Run Number: 6244 | 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): 20:17 | Stop time (from RC): 20:39

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

hTRIG1 rate: 2.06e6 | hTRIG3 rate: 1265 | hTRIG4 rate: 735 | hTRIG5 rate: 601 | hTRIG6 rate: 382

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 680K | Charge 13 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 7.27 (μA)

Run Number: 6245 | 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): 20:46 | Stop time (from RC): 21:06

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

hTRIG1 rate: 1.38e6 | hTRIG3 rate: 873 | hTRIG4 rate: 571 | hTRIG5 rate: 784 | hTRIG6 rate: 180

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 557K | Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 5.04 (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 / 26 (yy / mm / dd) Initials: RPM

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

	X	Y
3H07A	1.88 mm (Nomin:)	0.3 mm (Nomin:)
3H07C	0.78 mm (Nomin:)	0.3 mm (Nomin:)

HMS p: ~~63.805~~ From GUI θ(TV): 22.94 Nearest 0.005

SHMS θ(TV): 32.87 Nearest 0.005

NPS θ = SHMS −16.30° 16.57 Nearest 0.005

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

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Run Number: 6247 | I_{beam}: 20 μA

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

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

Start time (from RC): 21:10 | Stop time (from RC): 21:25

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

hTRIG1 rate 2.21e6 | hTRIG3 rate 1736 | hTRIG4 rate 1017 | hTRIG5 rate 916 | hTRIG6 rate 536

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments:

Events 381M Charge 14.9 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 9.94 (μA)

Run Number: 6248 | I_{beam}: 20 μA

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

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

Start time (from RC): 21:27 | Stop time (from RC): 21:42

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

hTRIG1 rate 2.23e6 | hTRIG3 rate 1683 | hTRIG4 rate 995 | hTRIG5 rate 873 | hTRIG6 rate 526

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 223K Charge 9.9 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 9.66 (μA)

Run Number: 6249 | 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): 21:51 | Stop time (from RC): 22:21

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

hTRIG1 rate 1.67e6 | hTRIG3 rate 861 | hTRIG4 rate 559 | hTRIG5 rate 354 | hTRIG6 rate 229

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/8 LH_2

Events 857K Charge 43.7 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 7.91 (μA)

Run Number: 6250 | 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): 22:22 | Stop time (from RC): 22:54

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

hTRIG1 rate 1.58e6 | hTRIG3 rate 851 | hTRIG4 rate 547 | hTRIG5 rate 327 | hTRIG6 rate 224

☑ Data ok ☐ Junk

☑ coin_sparse ☐ in ☐ oin_sparse_low

Comments: 2/8 LH_2

Events 631K Charge 31.5 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 8.09 (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 / 04 / 26 (yy / mm / dd) Initials: RMM

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

3H07A	X	Y
	1.85 mm	0.3 mm
Nomin:		

3H07C	X	Y
	0.75 mm	0.3 mm
Nomin:		

HMS p: +b 3.805 From GUI θ(TV): 22.94 Nearest 0.005

SHMS θ(TV): 32.87 Nearest 0.005

NPS θ = SHMS −16.30° 16.57 Nearest 0.005

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

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Run Number: 6251 | 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): 22:56 | Stop time (from RC): 23:33

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

hTRIG1 rate 1.55e6 | hTRIG3 rate 856 | hTRIG4 rate 574 | hTRIG5 rate 343 | hTRIG6 rate 229

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/8 LH2

Events 1.15M Charge 58.6 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 8.09 (μA)

Run Number: 6252 | I_{beam}: 36 μA

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

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

Start time (from RC): 23:34 | Stop time (from RC): 00:12

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

hTRIG1 rate 1.58e6 | hTRIG3 rate 836 | hTRIG4 rate 560 | hTRIG5 rate 344 | hTRIG6 rate 233

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4/8 LH2

Events 1.1M Charge 57.38 C | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 7.75 (μA)

Run Number: 6253 | 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): 00:13 | Stop time (from RC): 00:42

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

hTRIG1 rate 1.6 e6 | hTRIG3 rate 859.9 | hTRIG4 rate 569.8 | hTRIG5 rate 342.8 | hTRIG6 rate 227.5

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5/8 LH2

Events 0.9M Charge 46.37 C | Active trigger LiveTime fraction (NPS Scaler Gui) ~100% | Max NPS anode current (single crystal) ~10 (μA)

Run Number: 6254 | 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): 00:47 | Stop time (from RC): 01:20

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

hTRIG1 rate 1.64e6 | hTRIG3 rate 838. | hTRIG4 rate 570 | hTRIG5 rate 356 | hTRIG6 rate 235

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6/8. LH2.

Events 1.1M Charge 56.8 C | Active trigger LiveTime fraction (NPS Scaler Gui) ~100% | Max NPS anode current (single crystal) 8.09. (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 / 04 / 26 (yy / mm / dd) Initials: WL

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.957 GeV

Raster: ☑ On ☐ Off Size: 2 x 2 mm²

Beam position and angle on target:

	X	Y
3H07A	1.82 mm (Nomin:)	0.3 mm (Nomin:)
3H07C	0.75 mm (Nomin:)	0.3 mm (Nomin:)

HMS

p: +/- 3.805 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS

θ(TV): 32.87 (Nearest 0.005)

NPS

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

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

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Run Number: 6255 | 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): 01:21 | Stop time (from RC): 01:58

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

hTRIG1 rate: 1.53x10⁶ | hTRIG3 rate: 833 | hTRIG4 rate: 561.8 | hTRIG5 rate: 330.4 | hTRIG6 rate: 226.9

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7/8. LH2.

Events 1.09M | Charge 6.16 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 7.8. (μA)

Run Number: 6256 | 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): ~~1:20~~ 1:59 | Stop time (from RC): 2:33.

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

hTRIG1 rate: 1.62x10⁶ | hTRIG3 rate: 850 | hTRIG4 rate: 572. | hTRIG5 rate: 316 | hTRIG6 rate: 230

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8/8. LH2.

Events 1.1M | Charge 5.6C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 8.02. (μA)

Run Number: 6257 | 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): 2:38. | Stop time (from RC): 3:00

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

hTRIG1 rate: 8x10⁵ | hTRIG3 rate: 365 | hTRIG4 rate: 383 | hTRIG5 rate: 137. | hTRIG6 rate: 89.7.

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LH2, 20μA

Events 182K | Charge 23.7C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 2.67. (μA)

Run Number: 6258 | 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~~ 0 PS5: 1 PS6: 1

Start time (from RC): 3:02 | Stop time (from RC): 3:35

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

hTRIG1 rate: ~~2.83x10⁶~~ | hTRIG3 rate: 315 | hTRIG4 rate: 203 | hTRIG5 rate: 69 | hTRIG6 rate: 63

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LH2, 10μA

Events 403K | Charge 18.29C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 2.65 (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: 24 / 04 / 26 (yy / mm / dd) Initials: WL

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

	X	Y
3H07A	1.82 mm (Nomin:)	0.3 mm (Nomin:)
3H07C	0.75 mm (Nomin:)	0.3 mm (Nomin:)

HMS p: +/- 3.805 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS θ(TV): 32.87 (Nearest 0.005)

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

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

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Run Number: 6259 | 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: 2 PS5: -1 PS6: -1

Start time (from RC): 3:40 | Stop time (from RC): 3:58

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

hTRIG1 rate: 1.63x10^6 | hTRIG3 rate: 856 | hTRIG4 rate: 560 | hTRIG5 rate: 329 | hTRIG6 rate: 233

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments: Coin 2H2, 30μA.

Events 611K. Charge 3.18C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 7.82. (μA)

Run Number: 6260 | 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): 4:07 | Stop time (from RC): 4:43

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

hTRIG1 rate: 1.86x10^6 | hTRIG3 rate: 738 | hTRIG4 rate: 398 | hTRIG5 rate: 332 | hTRIG6 rate: 176

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Coin_sparse, Dummy 20μA

Events 686K. Charge 3.38C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 8.33. (μA)

Run Number: 6261 | 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): 4:44 | Stop time (from RC): 5:21

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

hTRIG1 rate: 1.88x10^6 | hTRIG3 rate: 765 | hTRIG4 rate: 390 | hTRIG5 rate: 335 | hTRIG6 rate: 186

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Dummy 20μA

Events 751K. Charge 3.71C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 8.57 (μA)

Run Number: 6262 | 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): 5:22 | Stop time (from RC): 5:32

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

hTRIG1 rate: 1.86x10^6 | hTRIG3 rate: 757 | hTRIG4 rate: 389 | hTRIG5 rate: 340 | hTRIG6 rate: 180

☑ Data ok ☐ Junk

coin_sparse ☑ in ☐ coin_sparse_low ☐

Comments: Dummy 20μA, ended Early due to QE measurement.

Events 146K. Charge 7.09C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 8.40 (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 / 26 (yy / mm / dd) Initials: WL

Kinematics: KinC_x 60-2.

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

HMS p: +/- 5.805 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS θ(TV): 32.87 (Nearest 0.005)

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

Beam position and angle on target:

	X	Y
3H07A	1.8 mm (Nomin:)	0.3 mm (Nomin:)
3H07C	0.75 mm (Nomin:)	0.3 mm (Nomin:)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 408 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 6263 | 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): 05:42 | Stop time (from RC): 06:03

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

hTRIG1 rate 1.95x10⁶ | hTRIG3 rate 752 | hTRIG4 rate 380

hTRIG5 rate 321 | hTRIG6 rate 175

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: Dumm 20μA, 20 min Run.

Events _____ | Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 8.42 (μA)

Run Number: 6264 | 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): 6:15 | Stop time (from RC): 6:45

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

hTRIG1 rate 2.27x10⁶ | hTRIG3 rate 1680 | hTRIG4 rate 967

hTRIG5 rate 933 | hTRIG6 rate 530

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 2D2, 1/12.

Events 484K | Charge 19.67C

Active trigger LiveTime fraction (NPS Scaler Gui): 95%

Max NPS anode current (single crystal): 9.74 (μA)

Run Number: 6265 | I_{beam}: 20 μA

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

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

Start time (from RC): 08:51 | Stop time (from RC): 09:21

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

hTRIG1 rate 2.19x10⁶ | hTRIG3 rate 1961 | hTRIG4 rate 975

hTRIG5 rate 910 | hTRIG6 rate 534

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 2D2, 2/12.

Events 1.78M | Charge 34.96C

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

Max NPS anode current (single crystal): 9.89 (μA)

Run Number: 2626 | 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): 09:26 | Stop time (from RC): 09:59

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

hTRIG1 rate 2.15x10⁶ | hTRIG3 rate 1654 | hTRIG4 rate 991

hTRIG5 rate 936 | hTRIG6 rate 544

Data ok ☑ | Junk ☐

coin_sparse ☑ | in ☐ | coin_sparse_low ☐

Comments: LD2, 3/12

Events 1.63M | Charge 32.0C

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

Max NPS anode current (single crystal): 9.59 (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 / 04 / 27 (yy / mm / dd) Initials: OS

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 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	0.75 mm Nomin:	0.3 mm Nomin:

HMS p: +03.805 From GUI θ(TV): 22.940 Nearest 0.005

SHMS θ(TV): 32.860 Nearest 0.005

NPS θ = SHMS −16.30° = 16.560 Nearest 0.005

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 462 Amp | NPS Upstream Corr. I = ~~-3.04~~ 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 6267 | 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): 09:58 | Stop time (from RC): 10:28

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

hTRIG1 rate: 2.27x10⁶ | hTRIG3 rate: 1663 | hTRIG4 rate: 987 | hTRIG5 rate: 898 | hTRIG6 rate: 562

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LD2, 4/12

Events 1.51M | Charge 29.1mC | Active trigger LiveTime fraction (NPS Scaler Gui): ~~95~~ 96 % | Max NPS anode current (single crystal): 9.67 (μA)

Run Number: 6268 | 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): 10:30 | Stop time (from RC): 11:00

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

hTRIG1 rate: 2.22x10⁶ | hTRIG3 rate: 1696 | hTRIG4 rate: 989 | hTRIG5 rate: 922 | hTRIG6 rate: 551

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LD2, 5/12

Events 1.50M | Charge 29.0C | Active trigger LiveTime fraction (NPS Scaler Gui): ~100 % | Max NPS anode current (single crystal): 9.64 (μA)

Run Number: 6269 | 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): ~~10~~ 11:01 | Stop time (from RC): 11:31

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

hTRIG1 rate: 2.27x10⁶ | hTRIG3 rate: 1682 | hTRIG4 rate: 985 | hTRIG5 rate: 921 | hTRIG6 rate: 584

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LD2, 6/12

Events 1.69M | Charge 33.4C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9~~4~~ % | Max NPS anode current (single crystal): 9.59 (μA)

Run Number: ~~6269~~ 6270 | 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): 11:32 | Stop time (from RC): 12:02

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

hTRIG1 rate: 2.26x10⁶ | hTRIG3 rate: 1730 | hTRIG4 rate: 970 | hTRIG5 rate: 911 | hTRIG6 rate: 553

Data ok ☑ Junk ☐

coin_sparse ☑ in ☐ coin_sparse_low ☐

Comments: LD2, 7/12

Events 1.55M | Charge 32.3C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9~~4~~ % | Max NPS anode current (single crystal): 9.26 (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 / 27 (yy / mm / dd) Initials: OS

Kinematics: KinC_x 60_2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 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	0.75 mm (Nomin:)	0.3 mm (Nomin:)

HMS p: +3.805 (From GUI) θ(TV): 22.940 (Nearest 0.005)

SHMS θ(TV): 32.860 (Nearest 0.005)

NPS θ = SHMS −16.30°: 16.560 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 462.45 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 6271 | 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): 12:04 | Stop time (from RC): 12:34

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

hTRIG1 rate: 2.22x10⁶ | hTRIG3 rate: 1745 | hTRIG4 rate: 966 | hTRIG5 rate: 919 | hTRIG6 rate: 522

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LD2, 8/12

Events 1.2M | Charge 22.9 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 % | Max NPS anode current (single crystal): 9.69 (μA)

Run Number: 6272 | 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): 12:52 | Stop time (from RC): 13:22

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

hTRIG1 rate: 2.22x10⁶ | hTRIG3 rate: 1731 | hTRIG4 rate: 1015 | hTRIG5 rate: 907 | hTRIG6 rate: 531

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LD2, 9/12

Events 1.68M | Charge 32.5 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.5 % | Max NPS anode current (single crystal): 9.47 (μA)

Run Number: 6273 | 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): 13:24 | Stop time (from RC): 13:54

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

hTRIG1 rate: 2.28x10⁶ | hTRIG3 rate: 1670 | hTRIG4 rate: 1042 | hTRIG5 rate: 939 | hTRIG6 rate: 552

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LD2, 10/12

Events 1.62M | Charge 31.5 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.7 % | Max NPS anode current (single crystal): 9.76 (μA)

Run Number: 6274 | 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): 13:57 | Stop time (from RC): 14:27

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

hTRIG1 rate: 2.20x10⁶ | hTRIG3 rate: 1688 | hTRIG4 rate: 974 | hTRIG5 rate: 909 | hTRIG6 rate: 551

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LD2, 11/12

Events 1.57M | Charge 30.6 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 | Max NPS anode current (single crystal): 9.08 (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 / 04 / 27 (yy / mm / dd) Initials: OS

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 5.456 GeV

Raster: ☑ On ☐ Off Size: 2×2 mm²

Beam position and angle on target:

	X	Y
3H07A	1.7 mm (Nomin:)	0.3 mm (Nomin:)
3H07C	0.75 mm (Nomin:)	0.3 mm (Nomin:)

HMS: p: ~~4~~ 3.805 (From GUI) θ(TV): 22.940 (Nearest 0.005)

SHMS: θ(TV): 32.860 (Nearest 0.005)

NPS: θ = SHMS −16.30° = 16.560 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 461 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 6275 | 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): 14:29 | Stop time (from RC): 14:59

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

hTRIG1 rate: $2.25_{\times 10^6}$ | hTRIG3 rate: 1705 | hTRIG4 rate: 993

hTRIG5 rate: 918 | hTRIG6 rate: 547

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LD2, 12/12

Events 1.63M | Charge 31.9 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.8 | Max NPS anode current (single crystal): 9.54 (μA)

Run Number: 6276 | 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): | Stop time (from RC):

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

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

☐ Data ok ☑ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: DAQ issues - No events

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

Run Number: 6277 | 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): 15:04 | Stop time (from RC): 15:24

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

hTRIG1 rate: $2.01_{\times 10^6}$ | hTRIG3 rate: 1288 | hTRIG4 rate: 772

hTRIG5 rate: 560 | hTRIG6 rate: 330

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LD2, 15μA

Events 870k | Charge 16.7 mC | Active trigger LiveTime fraction (NPS Scaler Gui): ~~100%~~ 99.7% | Max NPS anode current (single crystal): 6.65 (μA)

Run Number: 6278 | 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): 15:26 | Stop time (from RC):

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

hTRIG1 rate: $1.32_{\times 10^6}$ | hTRIG3 rate: 880 | hTRIG4 rate: 521

hTRIG5 rate: 292 | hTRIG6 rate: 189

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LD2, 10 μA

Events _____ | Charge 11.5 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 4.75 (μA)

p(e,e'γ) p Run Sheet

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

Use a separate sheet for each configuration.

Date: 24 / 04 / 27 (yy / mm / dd) Initials: GS

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 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	0.75 mm (Nomin:)	0.3 mm (Nomin:)

HMS p: +(-) 3.805 (From GUI) θ(TV): 22.940 (Nearest 0.005)

SHMS θ(TV): 32.860 (Nearest 0.005)

NPS θ = SHMS −16.30° 16.560 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 461 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 6279 | I_{beam}: 15 μA

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

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

Start time (from RC): 15:52 | Stop time (from RC): 16:07

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

hTRIG1 rate 2.04x10⁶ | hTRIG3 rate 1287 | hTRIG4 rate 727 | hTRIG5 rate 647 | hTRIG6 rate 354

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments: coin, LD2, 15μA

Events 300 K Charge ___ C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9 | Max NPS anode current (single crystal) 7.19 (μA)

Run Number: 6280 | 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): 16:15 | Stop time (from RC): 16:46

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

hTRIG1 rate 1.49x10⁶ | hTRIG3 rate 870 | hTRIG4 rate 535 | hTRIG5 rate 332 | hTRIG6 rate 225

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/8 LH2, 30μA

Events 879 K Charge 44C | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 7.6 (μA)

Run Number: 6281 | 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): 16:47 | Stop time (from RC): 17:17

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

hTRIG1 rate 1.55x10⁶ | hTRIG3 rate 845 | hTRIG4 rate 543 | hTRIG5 rate 303 | hTRIG6 rate 232

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/8, LH2, 30μA

Events 947 K Charge 43C | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 7.65 (μA)

Run Number: 6282 | 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): 17:18 | Stop time (from RC): 17:49

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

hTRIG1 rate 1.50x10⁶ | hTRIG3 rate 855 | hTRIG4 rate 540 | hTRIG5 rate 325 | hTRIG6 rate 223

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/8, LH2, 30μA

Events 836 K Charge 45 C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.3% | Max NPS anode current (single crystal) 7.59 (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 / 04 / 27 (yy / mm / dd) Initials: H. M.

Kinematics: KinC_x60_2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: ~~-~~3.805 From GUI θ(TV): 22.34 Nearest 0.005

SHMS θ(TV): 32.86 Nearest 0.005

NPS θ = SHMS −16.30° = 16.56 Nearest 0.005

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.80 mm	0.30 mm	0.70 mm	0.31 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

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Run Number: 6283 | 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): 17:50 | Stop time (from RC): 18:20

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

hTRIG1 rate: 1.55x10^6 | hTRIG3 rate: 883 | hTRIG4 rate: 554 | hTRIG5 rate: 321 | hTRIG6 rate: 241

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4/8, LH2, 30 μA

Events 963K | Charge 49 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 7.65 (μA)

Run Number: 6284 | 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): 18:21 | Stop time (from RC): 18:52

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

hTRIG1 rate: 1.60x10^6 | hTRIG3 rate: 863 | hTRIG4 rate: 541 | hTRIG5 rate: 332 | hTRIG6 rate: 229

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5/8, LH2, 30 μA

Events 863K | Charge 43 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 7.73 (μA)

Run Number: 6285 | 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): 18:53 | Stop time (from RC): 19:23

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

hTRIG1 rate: 1.58x10^6 | hTRIG3 rate: 838 | hTRIG4 rate: 536 | hTRIG5 rate: 320 | hTRIG6 rate: 220

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6/8, LH2, 30 μA

Events 870K | Charge 44 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 7.4 (μA)

Run Number: 6286 | 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): 19:24 | Stop time (from RC): 19:55

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

hTRIG1 rate: 1.57x10^6 | hTRIG3 rate: 840 | hTRIG4 rate: 570 | hTRIG5 rate: 351 | hTRIG6 rate: 247

☑ Data ok ☐ Junk

☑ coin_sparse ☐ in ☐ coin_sparse_low

Comments: 7/8, LH2, 30 μA

Events 764K | Charge 38 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 7.8 (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 / 27 (yy / mm / dd) Initials: H. M.

Kinematics: KinC_x 60_2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.79 mm Nomin:	0.30 mm Nomin:	0.71 mm Nomin:	0.29 mm Nomin:

HMS: p: +3.805 (From GUI) θ(TV): 22.34 (Nearest 0.005)

SHMS: θ(TV): 32.86 (Nearest 0.005)

NPS: θ = SHMS −16.30° = 16.56 (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: 6287 | 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): 19:56 | Stop time (from RC): 20:26

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

hTRIG1 rate: 1.56×10^6 | hTRIG3 rate: 838 | hTRIG4 rate: 555 | hTRIG5 rate: 329 | hTRIG6 rate: 226

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8/8, LH_2, 30 μA

Events 512K | Charge 46 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 7.82 (μA)

Run Number: 6288 | 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): 20:27 | Stop time (from RC): 20:48

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

hTRIG1 rate: 788K | hTRIG3 rate: 600 | hTRIG4 rate: 397 | hTRIG5 rate: 140 | hTRIG6 rate: 109

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 20 μA, LH_2

Events 452K | Charge 22 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 5.2 (μA)

Run Number: 6289 | 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): 20:49 | Stop time (from RC): 21:20

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

hTRIG1 rate: 326K | hTRIG3 rate: 300 | hTRIG4 rate: 204 | hTRIG5 rate: 65 | hTRIG6 rate: 62

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 10 μA, LH_2

Events 378K | Charge 16.8 | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 2.44 (μA)

Run Number: 6290 | 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: 2 PS5: −1 PS6: −1

Start time (from RC): 21:23 | Stop time (from RC): 21:38

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

hTRIG1 rate: 1.6×10^6 | hTRIG3 rate: 846 | hTRIG4 rate: 597 | hTRIG5 rate: 339 | hTRIG6 rate: 246

☑ Data ok ☐ Junk

☐ coin_sparse ☑ in ☐ coin_sparse_low

Comments: coin, 30 μA, LH_2

Events 178 | Charge 22 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 6.6 (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: 24/04/27 (yy/mm/dd) Initials: H.M.

Kinematics: KinC_x 60_2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: ~~0~~ 3.805 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS θ(TV): 32.86 (Nearest 0.005)

NPS θ = SHMS −16.30° = 16.56 (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	1.79 mm	0.28 mm
Nomin:		Nomin:
3H07C	X	Y
	0.70 mm	0.30 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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Run Number: 6291 | I_{beam}: 20 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): 21:47 | Stop time (from RC): 22:17

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

hTRIG1 rate: 1.96×10^6 | hTRIG3 rate: 751 | hTRIG4 rate: 385 | hTRIG5 rate: 330 | hTRIG6 rate: 186

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Dummy

Events: 649K | Charge: 32C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 8.59 (μA)

Run Number: 6292 | I_{beam}: 20 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): 22:18 | Stop time (from RC): 22:53

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

hTRIG1 rate: 1.77×10^6 | hTRIG3 rate: 730 | hTRIG4 rate: 393 | hTRIG5 rate: 317 | hTRIG6 rate: 175

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Dummy

Events: 727K | Charge: 35.9C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 8.2 (μA)

Run Number: 6293 | I_{beam}: 20 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): 22:54 | Stop time (from RC): 23:25

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

hTRIG1 rate: 1.95×10^6 | hTRIG3 rate: 752 | hTRIG4 rate: 402 | hTRIG5 rate: 323 | hTRIG6 rate: 177

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Dummy

Events: 629K | Charge: 30C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 8.37 (μA)

Run Number: 6294 | I_{beam}: 20 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): 23:34 | 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: 1/12 LD2 Beam off after start

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 / 27 (yy / mm / dd) Initials: WL

Kinematics: KinC_x 60_2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.49 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	3H07A Y	3H07C X	3H07C Y
1.74 mm	0.29 mm	0.70 mm	0.30 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS

p: +3.805 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS

θ(TV): 32.86 (Nearest 0.005)

NPS

θ = SHMS (6.56) −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: 6295 | 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): 0:05 | Stop time (from RC): 0:39

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

hTRIG1 rate: 2.28 X 10^6 | hTRIG3 rate: 1665 | hTRIG4 rate: 982.

hTRIG5 rate: 896 | hTRIG6 rate: 542

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/12 LD2

Events 1.7M | Charge 34.53 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 9.61. (μA)

Run Number: 6296 | 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): 0:41 | Stop time (from RC): 1:19.

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

hTRIG1 rate: 2.18 X 10^6 | hTRIG3 rate: 1753. | hTRIG4 rate: 1022

hTRIG5 rate: 922 | hTRIG6 rate: 538

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/12. LD2

Events 1.85M | Charge 36.33 mC

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

Max NPS anode current (single crystal): 9.37. (μA)

Run Number: 6297 | 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): 1:20 | Stop time (from RC): 1:52.

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

hTRIG1 rate: 2.23 X 10^6 | hTRIG3 rate: 1708 | hTRIG4 rate: 1012.

hTRIG5 rate: 893 | hTRIG6 rate: 546

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/12. LD2.

Events 1.7M | Charge 34.21 mC

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

Max NPS anode current (single crystal): 9.45. (μA)

Run Number: 6298 | 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): 1:53. | Stop time (from RC): 2:27

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

hTRIG1 rate: 2.26 X 10^6 | hTRIG3 rate: 1643 | hTRIG4 rate: 864

hTRIG5 rate: 902 | hTRIG6 rate: 547.

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4/12 LD2.

Events 1.8M | Charge 36.19 mC

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

Max NPS anode current (single crystal): 9.32. (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 04 27 (yy mm dd) Initials: WL

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +G 3.85 From GUI θ(TV): 22.94 Nearest 0.005

SHMS θ(TV): 32.86 Nearest 0.005

NPS θ = SHMS −16.30° 16.56 Nearest 0.005

Beam position and angle on target:

3H07A X	3H07A Y	3H07C X	3H07C Y
1.79 mm Nomin:	0.29 mm Nomin:	0.70 mm Nomin:	0.20 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: 6299 | 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): 2:28 | Stop time (from RC): 3:07

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

hTRIG1 rate 2.2x10^6 | hTRIG3 rate 1694 | hTRIG4 rate 1000 | hTRIG5 rate 950 | hTRIG6 rate 546

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: 5/12 LD2.

Events 1.8M Charge 35.75m C

Active trigger LiveTime fraction (NPS Scaler Gui) 130 %

Max NPS anode current (single crystal) 9.7 (μA)

Run Number: 6300 | 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): 3:08 | Stop time (from RC): 3:40

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

hTRIG1 rate 2.24x10^6 | hTRIG3 rate 1772 | hTRIG4 rate 980 | hTRIG5 rate 908 | hTRIG6 rate 550

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: 6/12 LD2

Events 1.7M Charge 32.89m C

Active trigger LiveTime fraction (NPS Scaler Gui) 100

Max NPS anode current (single crystal) 9.54 (μA)

Run Number: 6301 | 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): 3:42. | Stop time (from RC): 4:13.

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

hTRIG1 rate 2.24x10^6 | hTRIG3 rate 1747 | hTRIG4 rate 997 | hTRIG5 rate 932 | hTRIG6 rate 529

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: 7/12. LD2

Events 1.6M Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui) 100

Max NPS anode current (single crystal) 9.43 (μA)

Run Number: 6302 | 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): 4:14. | Stop time (from RC): 4:24

☑ 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 70K 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 / 04 / 27 (yy / mm / dd) Initials: WL

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +(-) 3.85 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS θ(TV): 32.86 (Nearest 0.005)

NPS θ = SHMS −16.30° 16.56 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = ~ 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
1.79 mm (Nomin:)	0.29 mm (Nomin:)	0.7 mm (Nomin:)	0.30 mm (Nomin:)

Run Number: 6303 | 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): 6:58 Stop time (from RC): 7:29

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

hTRIG1 rate: 2.24x10^6 hTRIG3 rate: 1698 hTRIG4 rate: 988

hTRIG5 rate: 927 hTRIG6 rate: 548

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☐ coin_sparse_low ☐

Comments: 8/12 LD_2

Events 1.8M Charge 35.22mC

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

Max NPS anode current (single crystal): 9.77 (μA)

Run Number: 6304 | 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): 7:31 Stop time (from RC): 7:59

☑ 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: 9/12 LD_2.

Events 1583k Charge 31.08mC

Active trigger LiveTime fraction (NPS Scaler Gui):

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

Run Number: 6305 | I_{beam}: 20 μA

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

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

Start time (from RC): 08:00 Stop time (from RC): 08:31

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

hTRIG1 rate: 2.28e6 hTRIG3 rate: 1659.5 hTRIG4 rate: 986.7

hTRIG5 rate: 927.8 hTRIG6 rate: 544.1

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 10/12

Events 1705k Charge 33mC

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

Max NPS anode current (single crystal): 9.32 (μA)

Run Number: 6306 | I_{beam}: 20 μA

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

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

Start time (from RC): 08:33 Stop time (from RC): 09:06

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

hTRIG1 rate: 2.23M hTRIG3 rate: 1720.2 hTRIG4 rate: 995.1

hTRIG5 rate: 904.9 hTRIG6 rate: 541.9

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 11/12

Events 1942k Charge 34mC

Active trigger LiveTime fraction (NPS Scaler Gui): 98.733

Max NPS anode current (single crystal): 8.98 (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: 24/04/28 (yy/mm/dd) Initials: Hao

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2×2 mm²

HMS p: +3.85 From GUI θ(TV): 22.94 Nearest 0.005

SHMS θ(TV): 32.87 Nearest 0.005

NPS θ = SHMS −16.30° Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
	1.8 mm	0.29 mm
Nomin:		Nomin:
3H07C	X	Y
	0.69 mm	0.31 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: 6307 | 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): 09:07 Stop time (from RC): 09:40

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

hTRIG1 rate 2.22M | hTRIG3 rate 1939.6 | hTRIG4 rate 1010.6 | hTRIG5 rate 927.7 | hTRIG6 rate 530.1

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 12/12

Events 1135k Charge 33mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.968% | Max NPS anode current (single crystal) 9.18 (μA)

Run Number: 6308 | 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): 09:44 Stop time (from RC): 10:05

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

hTRIG1 rate 2.05M | hTRIG3 rate 1321.2 | hTRIG4 rate 800.3 | hTRIG5 rate 629.8 | hTRIG6 rate 371.5

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 794k Charge 15mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.95 | Max NPS anode current (single crystal) 7.46 (μA)

Run Number: 6309 | I_{beam}: 10 μA

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

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

Start time (from RC): 10:08 Stop time (from RC): 10:29

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

hTRIG1 rate 1.32M | hTRIG3 rate 858.1 | hTRIG4 rate 502.5 | hTRIG5 rate 281.8 | hTRIG6 rate 185.6

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 616k Charge 11.6mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 4.78 (μA)

Run Number: 6310 | I_{beam}: 15 μA

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

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

Start time (from RC): 10:33 Stop time (from RC): 10:54

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

hTRIG1 rate 2.01M | hTRIG3 rate 1272.27 | hTRIG4 rate 731.2 | hTRIG5 rate 574.8 | hTRIG6 rate 366.5

☑ Data ok ☐ Junk

☐ coin_sparse ☑ in ☐ coin_sparse_low

Comments:

Events 423k Charge 16mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | 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: 04/24/28 (yy/mm/dd) Initials: Hao

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.466 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

	X	Y
3H07A	1.78 mm (Nomin:)	0.3 mm (Nomin:)
3H07C	0.7 mm (Nomin:)	0.3 mm (Nomin:)

HMS p: +2 3.85 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS θ(TV): 32.87 (Nearest 0.005)

NPS θ = SHMS −16.30° (Nearest 0.005)

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

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Run Number: 6311 | 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): 11:10 | Stop time (from RC): 11:42

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

hTRIG1 rate 1.6M | hTRIG3 rate 868.8 | hTRIG4 rate 554.0 | hTRIG5 rate 315.1 | hTRIG6 rate 217.9

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/8

Events 954k | Charge 48mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 7.49 (μA)

Run Number: 6312 | 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): 11:43 | Stop time (from RC): 12:14

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

hTRIG1 rate 1.53M | hTRIG3 rate 862.1 | hTRIG4 rate 566.3 | hTRIG5 rate 325.1 | hTRIG6 rate 224.3

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/8

Events 756k | Charge 37mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.97% | Max NPS anode current (single crystal) 7.99 (μA)

Run Number: 6313 | 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): 12:15 | Stop time (from RC): 12:47

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

hTRIG1 rate 1.55M | hTRIG3 rate 871.9 | hTRIG4 rate 575.1 | hTRIG5 rate 347.1 | hTRIG6 rate 244.7

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/8

Events 994k | Charge 50mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.945% | Max NPS anode current (single crystal) 7.91 (μA)

Run Number: 6314 | 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): 12:48 | Stop time (from RC): 13:20

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

hTRIG1 rate 1.63M | hTRIG3 rate 882.2 | hTRIG4 rate 581.7 | hTRIG5 rate 327.1 | hTRIG6 rate 228.3

☑ Data ok ☐ Junk

☑ coin_sparse ☐ in ☐ coin_sparse_low

Comments: 4/8

Events 842k | Charge 42mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 8.02 (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 / 04 / 28 (yy / mm / dd) Initials: Hao

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

3H07A X	3H07A Y
1.81 mm (Nomin:)	0.27 mm (Nomin:)
3H07C X	3H07C Y
0.92 mm (Nomin:)	0.36 mm (Nomin:)

HMS: p: +(-) 3.85 From GUI; θ(TV): 22.94 Nearest 0.005

SHMS: θ(TV): 32.87 Nearest 0.005

NPS: θ = SHMS −16.30° Nearest 0.005

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

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Run Number: 6315 | 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): 13:21 | Stop time (from RC): 13:51

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

hTRIG1 rate: 1.66M | hTRIG3 rate: 834.1 | hTRIG4 rate: 549.5 | hTRIG5 rate: 328.6 | hTRIG6 rate: 216.8

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5/8

Events 859k | Charge 43mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.898 % | Max NPS anode current (single crystal): 8.05 (μA)

Run Number: 6316 | 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): 13:52 | Stop time (from RC): 14:23

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

hTRIG1 rate: 1.61M | hTRIG3 rate: 864.4 | hTRIG4 rate: 564.6 | hTRIG5 rate: 326.2 | hTRIG6 rate: 239.7

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6/8

Events 930k | Charge 47mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 7.68 (μA)

Run Number: 6317 | I_{beam}: 30 μA

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

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

Start time (from RC): 14:25 | Stop time (from RC): 14:56

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

hTRIG1 rate: 1.61M | hTRIG3 rate: 866 | hTRIG4 rate: 574.3 | hTRIG5 rate: 338.4 | hTRIG6 rate: 232.2

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7/8

Events 973k | Charge 49mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.978 % | Max NPS anode current (single crystal): 7.97 (μA)

Run Number: 6318 | 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): 14:57 | Stop time (from RC): 15:30

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

hTRIG1 rate: 1.58M | hTRIG3 rate: 827.3 | hTRIG4 rate: 576.1 | hTRIG5 rate: 318.9 | hTRIG6 rate: 223.2

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8/8

Events 954k | Charge 48mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.92 % | Max NPS anode current (single crystal): 7.71 (μA)

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

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

Use a separate sheet for each configuration.

Date: 24 / 04 / 28 (yy / mm / dd) Initials: Hao

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2 x 2 mm²

Beam position and angle on target:

3H07A X	3H07A Y	3H07C X	3H07C Y
1.98 mm	0.29 mm	0.7 mm	0.29 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS p: +(-) 3.85 From GUI θ(TV): 22.94 Nearest 0.005

SHMS θ(TV): 32.87 Nearest 0.005

NPS θ = SHMS −16.30° Nearest 0.005

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

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Run Number: 6319 | 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): 15:34 | Stop time (from RC): 15:56

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

hTRIG1 rate 7.72e5 | hTRIG3 rate 559.7 | hTRIG4 rate 375.2 | hTRIG5 rate 152.0 | hTRIG6 rate 113.7

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments:

Events 390k Charge 1mC

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 6320 | 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): | 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 issue of NPS VTPS

Events ____ Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 6321 | 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): 16:04 | Stop time (from RC): 16:35

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

hTRIG1 rate 342k | hTRIG3 rate 318 | hTRIG4 rate 231 | hTRIG5 rate 70 | hTRIG6 rate 60

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 10 μA, LH2

Events 372k Charge 16C

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 3.03 (μA)

Run Number: 6322 | 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: 2 PS5: -1 PS6: -1

Start time (from RC): 16:38 | Stop time (from RC): 16:53

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

hTRIG1 rate 1.56x10⁶ | hTRIG3 rate 946 | hTRIG4 rate 581 | hTRIG5 rate 360 | hTRIG6 rate 248

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments: coin, LH2

Events 171k Charge 26C

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 7.77 (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 / 28 (yy / mm / dd) Initials: H.M,

Kinematics: KinC_x60_2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	3H07A Y	3H07C X	3H07C Y
1.81 mm	0.23 mm	0.70 mm	0.31 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS

p: +3.805 From GUI θ(TV): 22.94 Nearest 0.005

SHMS

θ(TV): 32.86 Nearest 0.005

NPS

θ = SHMS −16.30° 16.56 Nearest 0.005

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

---

Run Number: 6323 | 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): 18:31 Stop time (from RC): 19:02

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

hTRIG1 rate: 1.93×10^6 hTRIG3 rate: 739 hTRIG4 rate: 383 hTRIG5 rate: 282 hTRIG6 rate: 181

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Dummy

Events 527 K Charge 25 C

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

Max NPS anode current (single crystal): 8.97 (μA)

Run Number: 6324 | 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): 19:02 Stop time (from RC): 19:33

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

hTRIG1 rate: 2.0×10^6 hTRIG3 rate: 724 hTRIG4 rate: 383 hTRIG5 rate: 324 hTRIG6 rate: 180

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Dummy

Events 551 K Charge 26 C

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

Max NPS anode current (single crystal): 8.46 (μA)

Run Number: 6325 | 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): 19:34 Stop time (from RC): 20:04

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

hTRIG1 rate: 2.0×10^6 hTRIG3 rate: 735 hTRIG4 rate: 410 hTRIG5 rate: 322 hTRIG6 rate: 183

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Dummy

Events 564 K Charge 27 C

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

Max NPS anode current (single crystal): 8.73 (μA)

Run Number: 6326 | 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): 20:13 Stop time (from RC): 20:43

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

hTRIG1 rate: 2.2×10^6 hTRIG3 rate: 1699 hTRIG4 rate: 977 hTRIG5 rate: 907 hTRIG6 rate: 526

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ n_sparse_low

Comments: 1/12 LD2

Events 1.6 M Charge 32 C

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

Max NPS anode current (single crystal): 9.7 (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 / 04 / 28 (yy / mm / dd) Initials: H.M.

Kinematics: KinC_x 60_2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +3.805 (From GUI) θ(TV): 22.34 (Nearest 0.005)

SHMS θ(TV): 32.36 (Nearest 0.005)

NPS θ = SHMS −16.30° 16.56 (Nearest 0.005)

Beam position and angle on target:

3H07A X	3H07A Y
1.80 mm Nomin:	0.29 mm Nomin:
3H07C X	**3H07C Y**
0.70 mm Nomin:	0.28 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: 6327 | I_{beam}: 20 μA

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

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

Start time (from RC): 20:44 | Stop time (from RC): 21:15

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

hTRIG1 rate 2.2×10^6 | hTRIG3 rate 1733 | hTRIG4 rate 992 | hTRIG5 rate 882 | hTRIG6 rate 533

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/12 LD2

Events 1.5M | Charge 29.7C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 9.51 (μA)

Run Number: 6328 | 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): 21:16 | Stop time (from RC): 21:46

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

hTRIG1 rate 2.2×10^6 | hTRIG3 rate 1688 | hTRIG4 rate 1001 | hTRIG5 rate 920 | hTRIG6 rate 531

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/12 LD2

Events 1.6M | Charge 31.7C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 9.73 (μA)

Run Number: 6329 | 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): 21:47 | Stop time (from RC): 22:18

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

hTRIG1 rate 2.2×10^6 | hTRIG3 rate 1700 | hTRIG4 rate 995 | hTRIG5 rate 936 | hTRIG6 rate 541

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 4/12 LD2

Events 1.46M | Charge 28C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 9.72 (μA)

Run Number: 6330 | 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): 22:19 | Stop time (from RC): 22:49

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

hTRIG1 rate 2.2×10^6 | hTRIG3 rate 1675 | hTRIG4 rate 1007 | hTRIG5 rate 878 | hTRIG6 rate 521

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 5/12 LD2

Events 1.53M | Charge 31C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 9.75 (μA)

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

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

Use a separate sheet for each configuration.

Date: 24 / 04 / 28 (yy / mm / dd) Initials: H.M.

Kinematics: KinC_x 60_2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.455 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.80 mm	0.30 mm	0.70 mm	0.29 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS p: +Θ 3.805 (From GUI) θ(TV): 22.34 (Nearest 0.005)

SHMS θ(TV): 32.86 (Nearest 0.005)

NPS θ = SHMS 16.56 − 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: 6331 | 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): 22:51 | Stop time (from RC): 23:21

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

hTRIG1 rate: 2.25×10^6 | hTRIG3 rate: 1680 | hTRIG4 rate: 1001 | hTRIG5 rate: 899 | hTRIG6 rate: 533

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6/12 LD2

Events 1.4M | Charge 27 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 9.51 (μA)

Run Number: 6332 | 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): 23:23 | Stop time (from RC): 23:53

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

hTRIG1 rate: 2.28×10^6 | hTRIG3 rate: 1784 | hTRIG4 rate: 1006 | hTRIG5 rate: 921 | hTRIG6 rate: 544

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7/12 LD2

Events 1.6M | Charge 32 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 9.56 (μA)

Run Number: 6333 | 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): 23:54 | Stop time (from RC): 00:27

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

hTRIG1 rate: 2.2×10^6 | hTRIG3 rate: 1721.6 | hTRIG4 rate: 1008.4 | hTRIG5 rate: 919.3 | hTRIG6 rate: 521.4

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: # 8/12 LD2

Events 1.6M | Charge 31 mC | Active trigger LiveTime fraction (NPS Scaler Gui): ~99.9% | Max NPS anode current (single crystal): ~10 (μA)

Run Number: 6334 | 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): 00:29 | Stop time (from RC): 01:00

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

hTRIG1 rate: 2.0×10^6 | hTRIG3 rate: 1727.6 | hTRIG4 rate: 999.4 | hTRIG5 rate: 904.9 | hTRIG6 rate: 525.1

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: # 9/12 LD2

Events 1.6M | Charge 31 mC | Active trigger LiveTime fraction (NPS Scaler Gui): ~99.9% | Max NPS anode current (single crystal): ~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 / 04 / 29 (yy / mm / dd) Initials: MJ

Kinematics: KinC_x 6_2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.801 mm	0.308 mm	0.690 mm	0.283 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS

p: +5 3.805 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS

θ(TV): 32.86 (Nearest 0.005)

NPS

θ = SHMS −16.30° 16.56 (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: 6335

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): 01:01

Stop time (from RC): 01:31

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

hTRIG1 rate 2.2x10^6 | hTRIG3 rate 1690.5 | hTRIG4 rate 1004.0

hTRIG5 rate 902.0 | hTRIG6 rate 523.0

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: #10/12 LD2

Events 1.6M Charge 31 mC

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

Max NPS anode current (single crystal) ~10 (μA)

Run Number: 6336

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): 01:32

Stop time (from RC): 02:02

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

hTRIG1 rate 2.2x10^6 | hTRIG3 rate 1760.0 | hTRIG4 rate 1004.3

hTRIG5 rate 891.8 | hTRIG6 rate 527.1

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: #11/12 LD2

Events 1.7M Charge 34 mC

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

Max NPS anode current (single crystal) ~10 (μA)

Run Number: 6337

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): 02:03

Stop time (from RC): 02:33

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

hTRIG1 rate 2.2x10^6 | hTRIG3 rate 1718.9 | hTRIG4 rate 991.2

hTRIG5 rate 888.7 | hTRIG6 rate 524.1

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: #12/12 LD2

Events 1.7 Charge 33 mC

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

Max NPS anode current (single crystal) ~10 (μA)

Run Number: 6338

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): 02:35

Stop time (from RC): 02:57

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

hTRIG1 rate 2.0x10^6 | hTRIG3 rate 1317.3 | hTRIG4 rate 728.6

hTRIG5 rate 569.3 | hTRIG6 rate 352.8

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: #1/1 LD2

Events 877k Charge 17 mC

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

Max NPS anode current (single crystal) ~8 (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 / 29 (yy / mm / dd) Initials: MJ

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.956 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +~~E~~ 3.805 (From GUI) θ(TV): ~~22.94~~ ~~32.86~~ (Nearest 0.005)

SHMS θ(TV): 32.86 (Nearest 0.005)

NPS θ = SHMS −16.30° = 16.56 (Nearest 0.005)

Beam position and angle on target:

3H07A X	3H07A Y
1.807 mm (Nomin:)	0.306 mm (Nomin:)
3H07C X	**3H07C Y**
0.695 mm (Nomin:)	0.300 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: 6339 | 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): 02:59 | Stop time (from RC): 03:20

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

hTRIG1 rate: 1.3×10^6 | hTRIG3 rate: 869.0 | hTRIG4 rate: 512.4 | hTRIG5 rate: 284.1 | hTRIG6 rate: 187.5

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: #1/1 LD2

Events 652 k | Charge 12 mC

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

Max NPS anode current (single crystal): ~5 (μA)

Run Number: 6340 | I_{beam}: 15 μA

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

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

Start time (from RC): 03:23 | Stop time (from RC): 03:40

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

hTRIG1 rate: 2.0×10^6 | hTRIG3 rate: 1316.2 | hTRIG4 rate: 786.6 | hTRIG5 rate: 676.2 | hTRIG6 rate: 371.6

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments: #1/1 LD2

Events 363 k | Charge 13 mC

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

Max NPS anode current (single crystal): ~5 (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'γ) p Run Sheet

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

Use a separate sheet for each configuration.

Date: 24 / 04 / 29 (yy / mm / dd) Initials: MJ

Kinematics: KinC_x 60.2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2 x 2

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.807 mm	0.295 mm	0.691 mm	0.305 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS: p: +⊖ 3.805 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS: θ(TV): 32.86 (Nearest 0.005)

NPS: θ = SHMS −16.30° 16.56 (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: 6341 | 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): 03:51 | Stop time (from RC): 04:24

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

hTRIG1 rate 1.5×10^6 | hTRIG3 rate 841.5 | hTRIG4 rate 562.4

hTRIG5 rate 330.1 | hTRIG6 rate 208.7

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: # 1/8 LH2

Events 1M | Charge 49 mC

Active trigger LiveTime fraction (NPS Scaler Gui) ~99.9 %.

Max NPS anode current (single crystal) ~18 (μA)

Run Number: 6342 | 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): 04:25 | Stop time (from RC): 04:59

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

hTRIG1 rate 1.6×10^6 | hTRIG3 rate 836.7 | hTRIG4 rate 544.3

hTRIG5 rate 334.3 | hTRIG6 rate 234.8

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: # 2/8 LH2

Events 1M | Charge ____ C

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

Max NPS anode current (single crystal) ~18 (μA)

↳ CODA disconnected at the end of run –

Run Number: 6343 | 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): 05:04 | Stop time (from RC): 05:31

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

hTRIG1 rate 1.6×10^6 | hTRIG3 rate 835.6 | hTRIG4 rate 552.4

hTRIG5 rate 309.7 | hTRIG6 rate 226.4

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: # 3/8 (25 min run)

Events 862K | Charge 43 mC

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

Max NPS anode current (single crystal) ~8 (μA)

Run Number: 6344 | 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): 05:49 | Stop time (from RC): 06:27

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

hTRIG1 rate 1.6×10^6 | hTRIG3 rate 868.1 | hTRIG4 rate 570.3

hTRIG5 rate 337.3 | hTRIG6 rate 273.2

☑ Data ok ☐ Junk

coin_sparse ☑ in ☐ coin_sparse_low ☐

Comments: # 4/8 (35 min run)

Events 1.1M | Charge 58 mC

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

Max NPS anode current (single crystal) ~8 (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 / 29 (yy / mm / dd) Initials: MJ

Kinematics: KinC_x 60.2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	3H07A Y	3H07C X	3H07C Y
1.795 mm	0.304 mm	0.708 mm	0.312 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS: p: +(5) 3.805 From GUI; θ(TV): 22.94 Nearest 0.005

SHMS: θ(TV): 32.86 Nearest 0.005

NPS: θ = SHMS −16.30° = 16.56 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: 6345 | 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): 06:28 | Stop time (from RC): 07:05

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

hTRIG1 rate: 1.6x10^6 | hTRIG3 rate: 840.9 | hTRIG4 rate: 554.6 | hTRIG5 rate: 341.3 | hTRIG6 rate: 234.1

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: #5/8 beam trip rate - high

Events 916k | Charge 45 mC | Active trigger LiveTime fraction (NPS Scaler Gui): ~99.9% | Max NPS anode current (single crystal): ~8 (μA)

Run Number: 6346 | 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): 07:06 | Stop time (from RC): 07:37

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

hTRIG1 rate: 1.6x10^6 | hTRIG3 rate: 867.2 | hTRIG4 rate: 568.2 | hTRIG5 rate: 341.6 | hTRIG6 rate: 236.5

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: #6/8

Events 1M | Charge 51 mC | Active trigger LiveTime fraction (NPS Scaler Gui): ~99.9% | Max NPS anode current (single crystal): ~8 (μA)

Run Number: 6347 | 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): 07:38 | Stop time (from RC): 08:10

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

hTRIG1 rate: 1.6x10^6 | hTRIG3 rate: 916.1 | hTRIG4 rate: 602.2 | hTRIG5 rate: 354.0 | hTRIG6 rate: 237.7

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: #7/8

Events 931k | Charge 47.6 mC | Active trigger LiveTime fraction (NPS Scaler Gui): ~100% | Max NPS anode current (single crystal): ~8 (μA)

Run Number: 6348 | 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): 08:12 | Stop time (from RC): 08:43

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

hTRIG1 rate: 1.75x10^6 | hTRIG3 rate: 858 | hTRIG4 rate: 566 | hTRIG5 rate: 321 | hTRIG6 rate: 226

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LH2, 8/8

Events 808k | Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 7.79 (μA)

p(e,e'γ) p Run Sheet

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

Date: 24 / 04 / 29 (yy mm dd) Initials: OJ

Use a separate sheet for each configuration.

Kinematics: KinC_x 60-2

Purpose: [x] Production [ ] Test [ ] Optics [ ] Other: ______

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

E_{beam}: 8.456 GeV

Raster: [x] On [ ] Off Size: 2x2 mm²

Beam position and angle on target:

3H07A X	Y
1.794 mm	0.287 mm
Nomin:	Nomin:
3H07C X	**Y**
0.711 mm	0.296 mm
Nomin:	Nomin:

HMS p: +/- 3.805 (From GUI) θ(TV): 22.940 (Nearest 0.005)

SHMS θ(TV): 32.860 (Nearest 0.005)

NPS θ = SHMS −16.30°: 16.560 (Nearest 0.005)

Collimator:	HMS: Large [x] Sieve [ ]	NPS Sweep Magnet I = 462 Amp	NPS Upstream Corr. I = — Amp	NPS Upstream Corr. I = — Amp

Run Number: 6349	[x] LH2 10cm	PS1: -1	Start time (from RC): 08:45	[x] Settings Verified?	hTRIG1 rate 8.00×10⁵	hTRIG3 rate 596	hTRIG4 rate 392
I_{beam}: 20 μA	[ ] LD2 10cm	PS2: -1	Stop time (from RC): 09:05	[x] HV OK?	hTRIG5 rate 140	hTRIG6 rate 104	[x] Data ok
	[ ] Dummy 10cm	PS3: -1		[x] 50k OK?			[ ] Junk
	[ ] Optics#1 8cm	PS4: 0					
	[ ] C 0.5% rl.l	PS5: -1					
	[ ] ______	PS6: -1					
coin_sparse [x] coin [ ] coin_sparse_low [ ]	Comments: LH2, 20uA			Events 422k Charge 28.7 mC	Active trigger LiveTime fraction (NPS Scaler Gui) 100%	Max NPS anode current (single crystal) 5.64 (μA)	

Run Number:	[ ] LH2 10cm	PS1:	Start time (from RC):	[ ] Settings Verified?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
I_{beam}: μA	[ ] LD2 10cm	PS2:	Stop time (from RC):	[ ] HV OK?	hTRIG5 rate	hTRIG6 rate	[ ] Data ok
	[ ] Dummy 10cm	PS3:		[ ] 50k OK?			[ ] Junk
	[ ] Optics#1 8cm	PS4:					
	[ ] C 0.5% rl.l	PS5:					
	[ ] ______	PS6:					
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:	[ ] LH2 10cm	PS1:	Start time (from RC):	[ ] Settings Verified?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
I_{beam}: μA	[ ] LD2 10cm	PS2:	Stop time (from RC):	[ ] HV OK?	hTRIG5 rate	hTRIG6 rate	[ ] Data ok
	[ ] Dummy 10cm	PS3:		[ ] 50k OK?			[ ] Junk
	[ ] Optics#1 8cm	PS4:					
	[ ] C 0.5% rl.l	PS5:					
	[ ] ______	PS6:					
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:	[ ] LH2 10cm	PS1:	Start time (from RC):	[ ] Settings Verified?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
I_{beam}: μA	[ ] LD2 10cm	PS2:	Stop time (from RC):	[ ] HV OK?	hTRIG5 rate	hTRIG6 rate	[ ] Data ok
	[ ] Dummy 10cm	PS3:		[ ] 50k OK?			[ ] Junk
	[ ] Optics#1 8cm	PS4:					
	[ ] C 0.5% rl.l	PS5:					
	[ ] ______	PS6:					
coin_sparse [ ] coin [ ] coin_sparse_low [ ]	Comments:			Events ___ Charge ___ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)	

p(e,e'γ) p Run Sheet

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

Use a separate sheet for each configuration.

Date: 24 / 04 / 29 (yy / mm / dd) Initials: OJ

Kinematics: KinC_x 60_2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2×2 mm²

HMS p: ± 3.805 (From GUI) θ(TV): 22.940 (Nearest 0.005)

SHMS θ(TV): 32.860 (Nearest 0.005)

NPS θ = SHMS −16.30° 16.560 (Nearest 0.005)

Beam position and angle on target:

	X	Y
3H07A	1.796 mm (Nomin:)	0.388 mm (Nomin:)
3H07C	0.716 mm (Nomin:)	0.300 mm (Nomin:)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 445 Amp | NPS Upstream Corr. I = — Amp | NPS Upstream Corr. I = — Amp

---

Run Number: 6350 | 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): 09:17 Stop time (from RC): 09:31

☐ 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: TEST
Fan (Loop 2) direction reversed.

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

Run Number: 6351 | 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): 09:33 Stop time (from RC): 09:45

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

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

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: TEST
L2 fan direction reversed.

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

Run Number: 6352 | I_{beam}: 2 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): 09:51 Stop time (from RC): 10:10

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

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

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: TEST
L2 fan back to nominal dir^n; lowered Hz

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

Run Number: 6353 | 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: 0 PS5: −1 PS6: −1

Start time (from RC): 10:12 Stop time (from RC): 10:19

☐ 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: TEST
L2 fan back to nominal dir^n; lowered Hz.

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: 24/04/29 (yy/mm/dd) Initials: OS

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2×2 mm²

Beam position and angle on target:

3H07A	X	Y
	1.816 mm	0.296 mm
Nomin:		Nomin:

3H07C	X	Y
	0.707 mm	0.293 mm
Nomin:		Nomin:

HMS
p: +Q 3.805 (From GUI) θ(TV): 22.940 (Nearest 0.005)

SHMS
θ(TV): 32.860 (Nearest 0.005)

NPS
θ = SHMS −16.30° 16.560 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 460 Amp | NPS Upstream Corr. I = — Amp | NPS Upstream Corr. I = — Amp

---

Run Number: 6354
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): 11:16
Stop time (from RC): 11:32

☐ 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: Low current test after fan controller replaced.

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 6355
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): 11:34
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: Prod° current test after fan control. replaced

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number:
I_{beam}: ____ μA

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

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

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

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

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

☐ Data ok ☐ Junk

coin_sparse ☐ coin ☐ coin_sparse_low ☐

Comments:

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number:
I_{beam}: ____ μA

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

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

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

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

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

☐ Data ok ☐ Junk

coin_sparse ☐ coin ☐ coin_sparse_low ☐

Comments:

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

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 ☐ 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 / 04 / 29 (yy / mm / dd) Initials: OS

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

3H07A X	3H07A Y	3H07C X	3H07C Y
1.799 mm	0.299 mm	0.710 mm	0.301 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS p: +(-) 3.805 (From GUI) θ(TV): 22.940 (Nearest 0.005)

SHMS θ(TV): 32.860 (Nearest 0.005)

NPS θ = SHMS −16.30° = 16.560 (Nearest 0.005)

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

---

Run Number: 6356 | 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): 11:52 | Stop time (from RC): 12:12

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

hTRIG1 rate: 7.50 x10^5 | hTRIG3 rate: 568 | hTRIG4 rate: 379 | hTRIG5 rate: 134 | hTRIG6 rate: 100

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LH_2, 20 μA (Return to settings for run 6349 after fan tests)

Events 389k | Charge 190 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 5.41 (μA)

Run Number: 6357 | 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): 12:14 | Stop time (from RC): 12:35

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

hTRIG1 rate: 3.08 x10^5 | hTRIG3 rate: 290 | hTRIG4 rate: 202 | hTRIG5 rate: 73.7 | hTRIG6 rate: 55.9

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LH_2, 10 μA

Events 243k | Charge 108 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 2.84 (μA)

Run Number: 6358 | 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: 2 PS5: -1 PS6: -1

Start time (from RC): 12:40 | Stop time (from RC): 12:55

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

hTRIG1 rate: 1.63 x10^6 | hTRIG3 rate: 848 | hTRIG4 rate: 572 | hTRIG5 rate: 323 | hTRIG6 rate: 221

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: LH_2, coin

Events 151k | Charge 23.2 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 8.08 (μA)

*** 6359 does not exist - CODA reset ***

Run Number: 6360 | 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): 13:09 | Stop time (from RC): 13:40

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

hTRIG1 rate: 1.92 x10^6 | hTRIG3 rate: 340 | hTRIG4 rate: 366 | hTRIG5 rate: 299 | hTRIG6 rate: 172

☑ Data ok ☐ Junk

☑ coin_sparse ☐ in ☐ coin_sparse_low

Comments: Dummy, 1/3 (Accidentally mislabelled. Should be coin_sparse)

Events 638k | Charge 3.2 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 8.71 (μA)

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

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

Use a separate sheet for each configuration.

Date: 24 / 04 / 29 (yy / mm / dd) Initials: OS

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

3H07A	X	Y
	1.84 mm	0.300 mm
Nomin:		

3H07C	X	Y
	0.717 mm	0.296 mm
Nomin:		

HMS p: 3.805 (From GUI) θ(TV): 22.940 (Nearest 0.005)

SHMS θ(TV): 32.860 (Nearest 0.005)

NPS θ = SHMS −16.30° = 16.560 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 455 Amp | NPS Upstream Corr. I = — Amp | NPS Upstream Corr. I = — Amp

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Run Number: 6361 | 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): 13:42 | Stop time (from RC):

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

hTRIG1 rate: 1.93x10⁶ | hTRIG3 rate: 740 | hTRIG4 rate: 387

hTRIG5 rate: 334 | hTRIG6 rate: 171

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Dummy, 2/3 | CODA in use @ end of run. Has not stopped properly.

Events 655k Charge ___C

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

Max NPS anode current (single crystal): 8.68 (μA)

Run Number: 6362 | 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): 14:18 | Stop time (from RC): 14:48

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

hTRIG1 rate: 1.80x10⁶ | hTRIG3 rate: 717 | hTRIG4 rate: 375

hTRIG5 rate: 300 | hTRIG6 rate: 170

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Dummy, 3/3

Events 586k Charge 289nC

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

Max NPS anode current (single crystal): 8.36 (μA)

Run Number: 6363 | 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): 15:00 | Stop time (from RC): 15:30

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

hTRIG1 rate: 2.28x10⁶ | hTRIG3 rate: 1651 | hTRIG4 rate: 962

hTRIG5 rate: 915 | hTRIG6 rate: 540

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LD2, 1/12

Events 1.40M Charge 27.3C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.6 %

Max NPS anode current (single crystal): 9.32 (μA)

Run Number: 6364 | 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): 15:5 | 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: Fan speed test | CODA found disconnect -> No data

Events ___ Charge ___C

Active trigger LiveTime fraction (NPS Scaler Gui):

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

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

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

Use a separate sheet for each configuration.

Date: 24 04 29 (yy mm dd) Initials: RMM

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.456 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

3H07A X	3H07A Y	3H07C X	3H07C Y
1.85 mm (Nomin:)	0.3 mm (Nomin:)	0.75 mm (Nomin:)	0.3 mm (Nomin:)

HMS p: 3.805 (From GUI) θ(TV): 27.94 (Nearest 0.005)

SHMS θ(TV): 32.87 (Nearest 0.005)

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

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

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Run Number: 6366 | 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): 16:04 | Stop time (from RC): 16:36 | ☑ Settings Verified? ☑ HV OK? ☐ 50k OK? | hTRIG1 rate 1.92e6 | hTRIG3 rate 969 | hTRIG4 rate 640 | hTRIG5 rate 452 | hTRIG6 rate 300 | ☐ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LH_2 target test 1/12 LH_2

Events 1.0M Charge 44.6 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 8.96 (μA)

Run Number: 6367 | 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): 16:37 | Stop time (from RC): 17:11 | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK? | hTRIG1 rate 2.01e6 | hTRIG3 rate 956 | hTRIG4 rate 614 | hTRIG5 rate 438 | hTRIG6 rate 307 | ☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/12 LH_2

Events 875K Charge 39 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 8.41 (μA)

Run Number: 6368 | 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): 17:11 | Stop time (from RC): 17:43 | ☑ Settings Verified? ☐ HV OK? ☑ 50k OK? | hTRIG1 rate 2.0e6 | hTRIG3 rate 975 | hTRIG4 rate 600 | hTRIG5 rate 429 | hTRIG6 rate 299 | ☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/12 LH_2

Events 922K Charge 41.3 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 8.76 (μA)

Run Number: 6369 | 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): 17:44 | Stop time (from RC): 18:15 | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK? | hTRIG1 rate 2.02e6 | hTRIG3 rate 936 | hTRIG4 rate 605 | hTRIG5 rate 455 | hTRIG6 rate 307 | ☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 4/12 LH_2

Events 804K Charge 353 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 8.53 (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 / 04 / 29 (yy / mm / dd) Initials: RMM

Kinematics: KinC_x60.2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

3H07A X	3H07A Y	3H07C X	3H07C Y
1.85 mm	0.3 mm	0.75 mm	0.3 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS

p: +⊖ 3.805 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS

θ(TV): 32.87 (Nearest 0.005)

NPS

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

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

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Run Number: 6370 | 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): 18:16 | Stop time (from RC): 18:47

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

hTRIG1 rate: 2.0e6 | hTRIG3 rate: 958 | hTRIG4 rate: 616 | hTRIG5 rate: 452 | hTRIG6 rate: 307

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 5/12 LH_2

Events 1.05M | Charge 46.9mC

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

Max NPS anode current (single crystal): 8.886 (μA)

Run Number: 6371 | 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: 100 PS5: -1 PS6: -1

Start time (from RC): 18:48 | Stop time (from RC): 19:21

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

hTRIG1 rate: 2.0e6 | hTRIG3 rate: 935 | hTRIG4 rate: 625 | hTRIG5 rate: 457 | hTRIG6 rate: 294

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 6/12 LH_2

Events 1.05M | Charge 47.5C

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

Max NPS anode current (single crystal): 8.91 (μA)

Run Number: 6372 | 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): 19:21 | Stop time (from RC): 19:53

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

hTRIG1 rate: 1.98e6 | hTRIG3 rate: 962 | hTRIG4 rate: 627 | hTRIG5 rate: 448 | hTRIG6 rate: 307

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 7/12 LH_2

Events 988K | Charge 43.9mC

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

Max NPS anode current (single crystal): 8.76 (μA)

Run Number: 6373 | 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): 19:54 | Stop time (from RC): 20:23

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

hTRIG1 rate: 1.98e6 | hTRIG3 rate: 987 | hTRIG4 rate: 647 | hTRIG5 rate: 457 | hTRIG6 rate: 317

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 8/12 LH_2

Events 948K | Charge 41.7mC

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 / 04 / 29 (yy / mm / dd) Initials: EWM

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.456 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.85 mm (Nomin:)	0.3 mm (Nomin:)	0.75 mm (Nomin:)	0.3 mm (Nomin:)

HMS p: +P 3.805 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS θ(TV): 32.87 (Nearest 0.005)

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

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

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Run Number: 6374 | 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): 20:24 | Stop time (from RC): 20:56

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

hTRIG1 rate: 2.01e6 | hTRIG3 rate: 957 | hTRIG4 rate: 657 | hTRIG5 rate: 476 | hTRIG6 rate: 366

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 9/12 LH2

Events 1.04 M | Charge 46.5 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 9.44 (μA)

Run Number: 6375 | 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): 20:57 | Stop time (from RC): 21:29

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

hTRIG1 rate: 2.12e6 | hTRIG3 rate: 979 | hTRIG4 rate: 638 | hTRIG5 rate: 465 | hTRIG6 rate: 311

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 10/12 LH2

Events 1.085 | Charge 48.3 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 8.86 (μA)

Run Number: 6376 | 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): 21:30 | Stop time (from RC): 21:59

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

hTRIG1 rate: 2.01e6 | hTRIG3 rate: 926 | hTRIG4 rate: 618 | hTRIG5 rate: 437 | hTRIG6 rate: 294

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 11/12 LH2

Events 892K | Charge 39.6 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 8.81 (μA)

Run Number: 6377 | 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): 22:00 | Stop time (from RC): 22:29

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

hTRIG1 rate: 2.0e6 | hTRIG3 rate: 946 | hTRIG4 rate: 639 | hTRIG5 rate: 463 | hTRIG6 rate: 323

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 12/12 LH2

Events 1.06M | Charge 47.2 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 9.05 (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: 24/04/29 (yy/mm/dd) Initials: RMM

Kinematics: KinC_x 60.2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

3H07A X	3H07A Y
1.85 mm Nomin:	0.3 mm Nomin:
3H07C X	3H07C Y
0.75 mm Nomin:	0.3 mm Nomin:

HMS p: 3.805 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS θ(TV): 32.87 (Nearest 0.005)

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

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

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Run Number: 6378

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): 22:31

Stop time (from RC): 22:51

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

hTRIG1 rate: 9.61e5 hTRIG3 rate: 652 hTRIG4 rate: 433 hTRIG5 rate: 417 hTRIG6 rate: 168

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 515K Charge 22.4 mC

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

Max NPS anode current (single crystal): 5.91 (μA)

Run Number: 6379

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): 22:53

Stop time (from RC): 23:23

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

hTRIG1 rate: 3.82e5 hTRIG3 rate: 352 hTRIG4 rate: 244 hTRIG5 rate: 76 hTRIG6 rate: 60

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 391 Charge 15.2 mC

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

Max NPS anode current (single crystal): 3.27 (μA)

Run Number: 6380

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: 2 PS5: -1 PS6: -1

Start time (from RC): 23:26

Stop time (from RC): 23:40

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

hTRIG1 rate: 2.01e6 hTRIG3 rate: 971 hTRIG4 rate: 661 hTRIG5 rate: 457 hTRIG6 rate: 307

☐ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments:

Events 509K Charge 23 mC

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

Max NPS anode current (single crystal): 8.97 (μA)

Run Number: 6381

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): 23:55

Stop time (from RC): 00:26

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

hTRIG1 rate: 2.22e6 hTRIG3 rate: 1717 hTRIG4 rate: 1013 hTRIG5 rate: 916 hTRIG6 rate: 542

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/12 LD_2

Events 1.6M Charge 32 mC

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

Max NPS anode current (single crystal): 9.32 (μA)

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

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

Use a separate sheet for each configuration.

Date: 24/04/30 (yy/mm/dd) Initials: MJ

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.955 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +6 3.805 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS θ(TV): 32.89 (Nearest 0.005)

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

Beam position and angle on target:

3H07A	X	Y
	1.794 mm	0.288 mm
Nomin:		

3H07C	X	Y
	0.712 mm	0.294 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: 6382 | 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): 00:27 | Stop time (from RC): _____

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

hTRIG1 rate: 2.2×10^6 | hTRIG3 rate: 1687.7 | hTRIG4 rate: 995.7

hTRIG5 rate: 913.2 | hTRIG6 rate: 539.7

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: #3/12 LD2

Events 1.6M Charge 32 mC

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

Max NPS anode current (single crystal): ~10 (μA)

Run Number: 6383 | 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): / | Stop time (from RC): /

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

hTRIG1 rate: / | hTRIG3 rate: / | hTRIG4 rate: /

hTRIG5 rate: / | hTRIG6 rate: /

☐ Data ok ☑ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: junk

Events / Charge / C

Active trigger LiveTime fraction (NPS Scaler Gui): /

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

Run Number: 6384 | 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): 01:03 | Stop time (from RC): 01:34

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

hTRIG1 rate: 2.2×10^6 | hTRIG3 rate: 1743.2 | hTRIG4 rate: 975.8

hTRIG5 rate: 902.8 | hTRIG6 rate: 550.1

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: #4/12

Events 1.7M Charge 33 mC

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

Max NPS anode current (single crystal): ~10 (μA)

Run Number: 6385 | 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): 01:35 | Stop time (from RC): 02:08

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

hTRIG1 rate: 2.2×10^6 | hTRIG3 rate: 1713.0 | hTRIG4 rate: 995.6

hTRIG5 rate: 926.3 | hTRIG6 rate: 525.1

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: #5/12

Events 1.6M Charge 32 mC

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

Max NPS anode current (single crystal): ~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 / 04 / 30 (yy / mm / dd) Initials: MJ

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- 3.805 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS θ(TV): 32.87 (Nearest 0.005)

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

Beam position and angle on target:

	X	Y
3H07A	1.811 mm (Nomin:)	0.301 mm (Nomin:)
3H07C	0.709 mm (Nomin:)	0.331 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: 6386 | I_{beam}: 20 μA

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

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

Start time (from RC): 02:10 | Stop time (from RC): 02:44

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

hTRIG1 rate: 2.2×10^6 | hTRIG3 rate: 1715.3 | hTRIG4 rate: 997.2 | hTRIG5 rate: 875.4 | hTRIG6 rate: 521.1

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: #6/12 LD2

Events ~1.7M | Charge 33 mC | Active trigger LiveTime fraction (NPS Scaler Gui) ~99.9 % | Max NPS anode current (single crystal) ~10 (μA)

Run Number: 6387 | I_{beam}: 20 μA

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

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

Start time (from RC): 02:45 | Stop time (from RC): 03:18

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

hTRIG1 rate: 2.2×10^6 | hTRIG3 rate: 1725.0 | hTRIG4 rate: 953.3 | hTRIG5 rate: 895.1 | hTRIG6 rate: 538.1

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: #7/12

Events 1.5M | Charge 29 mC | Active trigger LiveTime fraction (NPS Scaler Gui) ~99.8 % | Max NPS anode current (single crystal) ~10 (μA)

Run Number: 6388 | I_{beam}: 20 μA

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

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

Start time (from RC): 03:24 | Stop time (from RC): 03:57

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

hTRIG1 rate: 2.1×10^6 | hTRIG3 rate: 1745.5 | hTRIG4 rate: 1020.1 | hTRIG5 rate: 871.0 | hTRIG6 rate: 514.8

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: #8/12

Events 1.8M | Charge 35 mC | Active trigger LiveTime fraction (NPS Scaler Gui) ~99.9 % | Max NPS anode current (single crystal) ~10 (μA)

Run Number: 6389 | I_{beam}: 20 μA

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

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

Start time (from RC): 03:58 | Stop time (from RC): 04:34

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

hTRIG1 rate: 2.1×10^6 | hTRIG3 rate: 1781.9 | hTRIG4 rate: 1019.0 | hTRIG5 rate: 913.7 | hTRIG6 rate: 554.4

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: #9/12

Events 1.7M | Charge 34 mC | Active trigger LiveTime fraction (NPS Scaler Gui) ~99.9 % | Max NPS anode current (single crystal) ~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 / 04 / 30 (yy / mm / dd) Initials: MJ

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +(-) 3.805 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS θ(TV): 32.87 (Nearest 0.005)

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

Beam position and angle on target:

3H07A	X	Y
	1.802 mm	0.302 mm
Nomin:		Nomin:
3H07C	X	Y
	0.705 mm	0.305 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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Run Number: 6390 | 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): 04:35 | Stop time (from RC): 05:08

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

hTRIG1 rate 2.2x10^6 | hTRIG3 rate 1741.9 | hTRIG4 rate 1014.1 | hTRIG5 rate 907.7 | hTRIG6 rate 523.2

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: # 10/12

Events 1.7M | Charge 32 mC | Active trigger LiveTime fraction (NPS Scaler Gui) ~99.9% | Max NPS anode current (single crystal) ~10 (μA)

Run Number: 6391 | 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): 05:09 | Stop time (from RC): 05:14

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

hTRIG1 rate 2.2x10^6 | hTRIG3 rate 1696.9 | hTRIG4 rate 999.4 | hTRIG5 rate 912.6 | hTRIG6 rate 553.2

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: # 11/12 [5 min short run]

Events 208k | Charge 3 mC | Active trigger LiveTime fraction (NPS Scaler Gui) ~99.8% | Max NPS anode current (single crystal) ~10 (μA)

→ QE measurement

Run Number: 6392 | 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): 05:26 | Stop time (from RC): 05:56

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

hTRIG1 rate 2.2x10^6 | hTRIG3 rate 1680.1 | hTRIG4 rate 970.4 | hTRIG5 rate 918.1 | hTRIG6 rate 548.2

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: # 11/12 [Taking one more]

Events 1.5M | Charge 29 mC | Active trigger LiveTime fraction (NPS Scaler Gui) ~100% | Max NPS anode current (single crystal) ~10 (μA)

Run Number: 6393 | 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): 05:58 | Stop time (from RC): 06:30

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

hTRIG1 rate 2.2x10^6 | hTRIG3 rate 1750.7 | hTRIG4 rate 1019.7 | hTRIG5 rate 894.9 | hTRIG6 rate 559.7

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: # 12/12

Events 1.7M | Charge 33 mC | Active trigger LiveTime fraction (NPS Scaler Gui) ~99.9% | Max NPS anode current (single crystal) ~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 / 04 / 30 (yy / mm / dd) Initials: MJ

Kinematics: KinC_x360_2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A	X	Y
	1.786 mm	0.307 mm
Nomin:		

3H07C	X	Y
	0.697 mm	0.286 mm
Nomin:		

HMS

p: +3.805 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS

θ(TV): 32.87 (Nearest 0.005)

NPS

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

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

---

Run Number: 6394

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): 06:31

Stop time (from RC): 06:54

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

hTRIG1 rate: 2.0×10^6 | hTRIG3 rate: 1342.5 | hTRIG4 rate: 756.3

hTRIG5 rate: 603.8 | hTRIG6 rate: 372.8

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: #1/1

Events 914K Charge 17 mC

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

Max NPS anode current (single crystal): ~8 (μA)

Run Number: 6395

I_{beam}: 10 μA

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

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

Start time (from RC): 06:56

Stop time (from RC): 07:17

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

hTRIG1 rate: 1.3×10^6 | hTRIG3 rate: 897.1 | hTRIG4 rate: 527.6

hTRIG5 rate: 272.3 | hTRIG6 rate: 172.8

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: #1/1

Events 600K Charge 11 mC

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

Max NPS anode current (single crystal): ~5 (μA)

Run Number: 6396

I_{beam}: 15 μA

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

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

Start time (from RC): 07:19

Stop time (from RC): 07:37

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

hTRIG1 rate: 2×10^6 | hTRIG3 rate: 1280.1 | hTRIG4 rate: 773.4

hTRIG5 rate: 616.3 | hTRIG6 rate: 379.0

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: #1/1 – coin – config

Events 323K Charge 12 mC

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

Max NPS anode current (single crystal): ~8 (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 ☐ n_sparse_low

Comments: Target changed to LH2 from LD2

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 / 04 / 30 (yy / mm / dd) Initials: MJ

Kinematics: KinC_x 60.2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +3.805 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS θ(TV): 32.87 (Nearest 0.005)

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

Beam position and angle on target:

3H07A	X	Y
	1.805 mm	0.297 mm
Nomin:		Nomin:
3H07C	X	Y
	0.684 mm	0.282 mm
Nomin:		Nomin:

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

---

Run Number: 6397 | 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): 07:45 | Stop time (from RC): 08:13

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

hTRIG1 rate 1.6x10^6 | hTRIG3 rate 847.1 | hTRIG4 rate 582.7 | hTRIG5 rate 343.5 | hTRIG6 rate 235.6

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: #1/12 - LH2

Events 78k | Charge 38.35m C

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

Max NPS anode current (single crystal) ~8 (μA)

Run Number: 6398 | 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): 08:19 | Stop time (from RC): 08:45

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

hTRIG1 rate 1.68e6 | hTRIG3 rate 883 | hTRIG4 rate ~~582.7~~ | hTRIG5 rate 338 | hTRIG6 rate 238

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: #2/12 -LH2

Events 95k | Charge ~~49.33m~~ C

Active trigger LiveTime fraction (NPS Scaler Gui) 100

Max NPS anode current (single crystal) ~8 (μA)

Run Number: 6399 | 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): 08:47 | Stop time (from RC): 09:18

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

hTRIG1 rate 1.6e6 | hTRIG3 rate 855 | hTRIG4 rate 580 | hTRIG5 rate 323 | hTRIG6 rate 223

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: #3/12 -LH2

Events 97ok | Charge 49.87m C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.94%

Max NPS anode current (single crystal) 7.63 (μA)

Run Number: 64[illegible] | 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): 9:19 | Stop time (from RC): 9:53

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

hTRIG1 rate 1.67e6 | hTRIG3 rate 902 | hTRIG4 rate 598 | hTRIG5 rate 352 | hTRIG6 rate 242

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: #4/12 - LH2

Events 94k | Charge 48.82m C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.96%

Max NPS anode current (single crystal) 7.9 (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 / 04 / 30 (yy / mm / dd) Initials: T. Seng

Kinematics: KinC_x 60-2

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 9.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- 3.865 (From GUI) θ(TV): 22.94 (Nearest 0.005)

SHMS θ(TV): 32.87 (Nearest 0.005)

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

Beam position and angle on target:

	X	Y
3H07A	1.8 mm (Nomin:)	0.3 mm (Nomin:)
3H07C	0.697 mm (Nomin:)	0.28 mm (Nomin:)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 466 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

---

Run Number: 6401 | 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): 9:54 | Stop time (from RC): 10:30

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

hTRIG1 rate 1.66e6 | hTRIG3 rate 872 | hTRIG4 rate 578 | hTRIG5 rate 355 | hTRIG6 rate 255

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: #5/12 -LH2

Events 942K | Charge 47.65 C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.98 | Max NPS anode current (single crystal) 8.29 (μA)

Run Number: 6402 | 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): 10:32 | Stop time (from RC): 11:07

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

hTRIG1 rate 1.41e6 | hTRIG3 rate 860 | hTRIG4 rate 587 | hTRIG5 rate 361 | hTRIG6 rate 231

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: #6/12 -LH2

Events 1M | Charge 51.46m C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 7.95 (μA)

Run Number: 6403 | 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): 11:20 | Stop time (from RC): 11:32

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

hTRIG1 rate 1.46e6 | hTRIG3 rate 821 | hTRIG4 rate 542 | hTRIG5 rate 342 | hTRIG6 rate 216

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: # 7/12 33%

Events 341K | Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 2.72 (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: # 7/12

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

p(e,e'γ) p Run Sheet

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

Date: 24/04/30 (yy/mm/dd) Initials: T-Sy

Use a separate sheet for each configuration.

Kinematics: KinC_x~~60~~ 36 4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2.7 L

Beam position and angle on target:

	X	Y
3H07A	1.88 mm (Nomin:)	0.285 mm (Nomin:)
3H07C	0.7 mm (Nomin:)	0.9 mm (Nomin:)

HMS 2.56 L 24.78

p: +/- ~~3.805~~ From GUI; θ(TV): ~~12.94~~ Nearest 0.005

SHMS 26.4

θ(TV): ~~13.24~~ Nearest 0.005

NPS 10.1

θ = SHMS −16.30° = ~~16.57~~ Nearest 0.005

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

---

Run Number: 6404 | 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): 13:23 | Stop time (from RC): 13:54

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

hTRIG1 rate: 2.49e6 | hTRIG3 rate: 32 1/2 | hTRIG4 rate: 847

hTRIG5 rate: 252 | hTRIG6 rate: 81

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 1.2 M | Charge 541 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.94 | Max NPS anode current (single crystal): 10.1 (μA)

Run Number: 6405 | 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): 15:27 | Stop time (from RC): 16:00

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

hTRIG1 rate: 2.12e6 | hTRIG3 rate: 1733 | hTRIG4 rate: 515

hTRIG5 rate: 904 | hTRIG6 rate: 300

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/2 Fcan 42 Hz

Events 759K | Charge 14.8C | Active trigger LiveTime fraction (NPS Scaler Gui): 97.768 | Max NPS anode current (single crystal): 11.59 (μA)

Run Number: 6406 | 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): 16:03 | Stop time (from RC): 16:37

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

hTRIG1 rate: 2.11×10^6 | hTRIG3 rate: 1780 | hTRIG4 rate: 547

hTRIG5 rate: 918 | hTRIG6 rate: 287

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/2 Fcan 42 Hz

Events 968K | Charge 19C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 11.60 (μA)

Run Number: 6407 | 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): 16:42 | Stop time (from RC): 17:13

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

hTRIG1 rate: 2.3×10^6 | hTRIG3 rate: 1534 | hTRIG4 rate: 499

hTRIG5 rate: 884 | hTRIG6 rate: 286

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Fcan 58 Hz 1/10 LH2

Events 766K | Charge 17C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 10.40 (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: 24/04/30 (yy/mm/dd) Initials: T. S.

Kinematics: KinC_x ~~6~~ 3-4

Purpose: [x] Production [ ] Test [ ] Optics [ ] Other: ______

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

E_{beam}: 8.456 GeV

Raster: [x] On [ ] Off — Size: 2x2

HMS		SHMS	NPS
p: + ~~3.xxx~~ 2.512 (From GUI)	θ(TV): ~~22.xx~~ 24.78 (Nearest 0.005)	θ(TV): ~~32.xx~~ 21.4 (Nearest 0.005)	θ = SHMS −16.30°: ~~16.5~~ 10.1 (Nearest 0.005)

Beam position and angle on target:

	X	Y
3H07A	1.79 mm	0.3 mm
3H07C	0.7 mm	0.296 mm

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

Run Number	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	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (µA)
6408	11	LH2 10cm	-1	-1	-1	0	-1	-1	17:14	17:44	[x]	[x]	[x]	2.30×10^6	1544	474	863	285	Data ok	coin_sparse	2/10 LH2	784k	17 C	100%	
6409	11	LH2 10cm	-1	-1	-1	0	-1	-1	17:46	18:16	[x]	[x]	[x]	2.29×10^6	1585	494	887	300	Data ok	coin_sparse	3/10 LH2	830k	18 C	99.9%	10.33
6410	11	LH2 10cm	-1	-1	-1	0	-1	-1	18:17	18:47	[x]	[x]	[x]	2.31×10^6	1512	479	856	280	Data ok	coin_sparse	4/10 LH2	771k	17 C	99.9%	10.04
6411	11	LH2 10cm	-1	-1	-1	0	-1	-1	18:48	19:19	[x]	[x]	[x]	2.30×10^6	1560	483	868	286	Data ok	coin_sparse	5/10 LH2	803k	17.9 C	100%	10.17

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: 24/04/30 (yy/mm/dd) Initials: H.M

Kinematics: KinC_x 36_4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.455 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.78 mm	0.31 mm	0.70 mm	0.32 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS p: +2.562 (From GUI) θ(TV): 24.78 (Nearest 0.005)

SHMS θ(TV): 26.40 (Nearest 0.005)

NPS θ = SHMS −16.30° = 10.1 (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: 6412 | 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): 19:19 | Stop time (from RC): 19:52

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

hTRIG1 rate 2.31×10^6 | hTRIG3 rate 1558 | hTRIG4 rate 476 | hTRIG5 rate 850 | hTRIG6 rate 278

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6/10 LH2

Events 817K | Charge 18C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 10.40 (μA)

Run Number: 6413 | 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): 19:53 | Stop time (from RC): 20:29

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

hTRIG1 rate 2.29×10^6 | hTRIG3 rate 1534 | hTRIG4 rate 464 | hTRIG5 rate 884 | hTRIG6 rate 273

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7/10 LH2

Events 969K | Charge 21C | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 10.28 (μA)

Run Number: 6414 | 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): 20:30 | Stop time (from RC): 21:00

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

hTRIG1 rate 2.31×10^6 | hTRIG3 rate 1437 | hTRIG4 rate 481 | hTRIG5 rate 878 | hTRIG6 rate 283

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8/10 LH_2

Events 822K | Charge 18C | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 10.18 (μA)

Run Number: 6415 | 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): 21:01 | Stop time (from RC): 21:32

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

hTRIG1 rate 2.31×10^6 | hTRIG3 rate 1522 | hTRIG4 rate 478 | hTRIG5 rate 862 | hTRIG6 rate 286

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 9/10 LH2

Events 815K | Charge 18C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | 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 / 04 / 30 (yy / mm / dd) Initials: H. M.

Kinematics: KinC_x 36_4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.455 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	3H07A Y	3H07C X	3H07C Y
1.79 mm	0.30 mm	0.71 mm	0.31 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS p: 2.562 (From GUI) θ(TV): 24.78 (Nearest 0.005)

SHMS θ(TV): 26.40 (Nearest 0.005)

NPS θ = SHMS −16.30° = 10.1 (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: 6416 | I_{beam}: 11 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): 21:33 | Stop time (from RC): —

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

hTRIG1 rate: — | hTRIG3 rate: — | hTRIG4 rate: —

hTRIG5 rate: — | hTRIG6 rate: — | ☐ Data ok ☑ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: ~~10/10~~ LH2 Beam OFF

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

Run Number: 6418 | I_{beam}: 11 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): 22:18 | Stop time (from RC): 22:48

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

hTRIG1 rate: 2.31×10^6 | hTRIG3 rate: 1536 | hTRIG4 rate: 482

hTRIG5 rate: 884 | hTRIG6 rate: 280 | ☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 10/10 LH_2

Events 850 K | Charge 19 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 10.08 (μA)

Run Number: 6419 | I_{beam}: 9 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): 22:50 | Stop time (from RC): 23:10

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

hTRIG1 rate: 2.02×10^6 | hTRIG3 rate: 1269 | hTRIG4 rate: 394

hTRIG5 rate: 586 | hTRIG6 rate: 217 | ☑ Data ok ☐ Junk ?

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 9 μA LH_2 No end run, CODA crashed

Events 443 K | Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 8.30 (μA)

Run Number: 6420 | I_{beam}: 7 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): 23:18 | Stop time (from RC): —

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

hTRIG1 rate: 1.38×10^6 | hTRIG3 rate: 1014 | hTRIG4 rate: 306

hTRIG5 rate: 352 | hTRIG6 rate: 122 | ☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7 μA LH_2

Events 492 | Charge 10 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 6.31 (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: ___/___/___ (yy/mm/dd) Initials: _____

Kinematics: KinC_x36_4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.598 GeV

Raster: ☑ On ☐ Off Size: 2×2

Beam position and angle on target:

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

HMS
p: 2.362 (From GUI) θ(TV): 24.78 (Nearest 0.005)

SHMS
θ(TV): 26.40 (Nearest 0.005)

NPS
θ = SHMS −16.30° = 10.1 (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: 6421
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): 23:55
Stop time (from RC): 00:25
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate: 1.74×10^6 hTRIG3 rate: 1321 hTRIG4 rate: 341
hTRIG5 rate: 551 hTRIG6 rate: 176
☑ Data ok ☐ Junk
☑ coin_sparse ☐ coin ☐ coin_sparse_low
Comments: 1/3 6μA Dummy
Events 566K Charge 5.91 mC
Active trigger LiveTime fraction (NPS Scaler Gui): 100%
Max NPS anode current (single crystal): 11.27 (μA)

Run Number: 6422
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): 00:29
Stop time (from RC): 00:39
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate: 1.75×10^6 hTRIG3 rate: 1329.6 hTRIG4 rate: 336.8
hTRIG5 rate: 561.1 hTRIG6 rate: 164.3
☑ Data ok ☐ Junk
☑ coin_sparse ☐ coin ☐ coin_sparse_low
Comments: 2/3 6μA Dummy
Events 63K Charge 1.09 mC
Active trigger LiveTime fraction (NPS Scaler Gui): 100%
Max NPS anode current (single crystal): 11.34 (μA)

Run Number: 6423
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): 00:45
Stop time (from RC): 00:50
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate: 1.75×10^6 hTRIG3 rate: 1325 hTRIG4 rate: 381
hTRIG5 rate: 560 hTRIG6 rate: 167
☑ Data ok ☐ Junk
☑ coin_sparse ☐ coin ☐ coin_sparse_low
Comments: 3/3 6μA Dummy 20 MIN RUN ~~START TIME WRONG~~
Events 83K Charge 5.91 mC
Active trigger LiveTime fraction (NPS Scaler Gui): 100%
Max NPS anode current (single crystal): 11.26 (μA)

Run Number: 6424
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: 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 ☐ in ☐ coin_sparse_low
Comments: 1/2 20 MN LOOP2 BEAM OFF
Events _____ Charge _____ mC
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: 24/05/01 (yy/mm/dd) Initials: J.C

Kinematics: KinC_x 36-4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- 2.562 From GUI θ(TV): 24.78 Nearest 0.005

SHMS θ(TV): 26.40 Nearest 0.005

NPS θ = SHMS −16.30° 10.1 Nearest 0.005

Beam position and angle on target:

3H07A X	Y
1.812 mm	0.307 mm
Nomin:	Nomin:
3H07C X	**Y**
0.688 mm	0.308 mm
Nomin:	Nomin:

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 466 Amp | NPS Upstream Corr. I = — Amp | NPS Upstream Corr. I = _____ Amp

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Run Number: 6425 | 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): 01:33 | Stop time (from RC): 01:52

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

hTRIG1 rate: 2.46x10^5 | hTRIG3 rate: 261.1 | hTRIG4 rate: 103.6 | hTRIG5 rate: 63.9 | hTRIG6 rate: 46.7

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☐ coin_sparse_low ☐

Comments: ONE 20 MIN RUN 'EMPTY' LOOP2

Events 96K Charge 3.9 mC

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

Max NPS anode current (single crystal): 56.66 (μA)

Run Number: 6426 | 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): 03:37 | Stop time (from RC): 04:07

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

hTRIG1 rate: 1.64x10^5 | hTRIG3 rate: 1386.6 | hTRIG4 rate: 347.6 | hTRIG5 rate: 546.1 | hTRIG6 rate: 163.2

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/3 DUMMY 6MA

Events 574K Charge ____ mC

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

Max NPS anode current (single crystal): 11.68 (μA)

Run Number: 6427 | 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): 04:13 | Stop time (from RC): 04:33

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

hTRIG1 rate: 1.69x10^6 | hTRIG3 rate: 2147.0 | hTRIG4 rate: 558.8 | hTRIG5 rate: 813.9 | hTRIG6 rate: 244.8

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: ONE 20-MIN 10MA

Events 686K Charge 11.2 mC

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

Max NPS anode current (single crystal): 16.23 (μA)

Run Number: 6428 | 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): 04:49 | Stop time (from RC): 05:25

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

hTRIG1 rate: 2.47x10^6 | hTRIG3 rate: 3409.1 | hTRIG4 rate: 898.1 | hTRIG5 rate: 2165.2 | hTRIG6 rate: 576.2

☑ Data ok ☐ Junk

coin_sparse ☑ in ☐ coin_sparse_low ☐

Comments: 1/14 LD2

Events 2 M Charge 13.9 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 96.675%

Max NPS anode current (single crystal): 9.72 (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 / 05 / 01 (yy / mm / dd) Initials: J-C

Kinematics: KinC_x 36-4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A	X	Y
	1.810 mm	0.310 mm
Nomin:		

3H07C	X	Y
	0.702 mm	0.286 mm
Nomin:		

HMS: p: +(-) 2.562 From GUI; θ(TV): 24.98 Nearest 0.005

SHMS: θ(TV): 26.40 Nearest 0.005

NPS: θ = SHMS −16.30°: 10.1 Nearest 0.005

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 466 Amp | NPS Upstream Corr. I = ___ Amp | NPS Upstream Corr. I = ___ Amp

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Run Number: 6429 | 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): 05:26 | Stop time (from RC): 06:00

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

hTRIG1 rate: 248 x10^6 | hTRIG3 rate: 3362.0 | hTRIG4 rate: 897.8 | hTRIG5 rate: 2137.1 | hTRIG6 rate: 589.1

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/14, LD2

Events 1.6M | Charge 10.9 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9371. | Max NPS anode current (single crystal): 10.17 (μA)

Run Number: 6430 | 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): 06:01 | Stop time (from RC): 06:29

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

hTRIG1 rate: 2.50 x10^6 | hTRIG3 rate: 3250.1 | hTRIG4 rate: 840.1 | hTRIG5 rate: 2129.0 | hTRIG6 rate: 564.3

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/14, LD2

Events 1.4M | Charge 9.59 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 9.29 (μA)

Run Number: 6431 | 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): 06:31 | Stop time (from RC): 06:49

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

hTRIG1 rate: 2.48 x10^6 | hTRIG3 rate: 3308.5 | hTRIG4 rate: 850.8 | hTRIG5 rate: 2149.9 | hTRIG6 rate: 577.2

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 4/14, LD2

Events 5.58M | Charge 3.75 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.8467. | Max NPS anode current (single crystal): 9.94 (μA)

Run Number: | 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): | 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: 5/14, LD2

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 / 05 / 02 (yy / mm / dd) Initials: J.C

Kinematics: KinC_x 36_4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: ~~0~~ 2.362 (From GUI) θ(TV): 24.78 (Nearest 0.005)

SHMS θ(TV): 26.40 (Nearest 0.005)

NPS θ = SHMS −16.30° = 10.1 (Nearest 0.005)

Beam position and angle on target:

	X	Y
3H07A	1.816 mm (Nomin:)	0.285 mm (Nomin:)
3H07C	0.700 mm (Nomin:)	0.319 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: 6432 | 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): 05:59 | Stop time (from RC): 06:27

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

hTRIG1 rate: 2.24 x 10^6 | hTRIG3 rate: 1573.6 | hTRIG4 rate: 501.2 | hTRIG5 rate: 868.2 | hTRIG6 rate: 298.4

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/10 LH2 (30 MW)

Events: 603K | Charge: 17.4 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.930% | Max NPS anode current (single crystal): 10.8 (μA)

Run Number: 6433 | 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): 06:28 | Stop time (from RC): 06:58

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

hTRIG1 rate: 1.33 x 10^6 | hTRIG3 rate: 1595.3 | hTRIG4 rate: 499.6 | hTRIG5 rate: 879.2 | hTRIG6 rate: 305.7

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/10 LH2 (LooP3)

Events: 675K | Charge: 14.4 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 10.8 (μA)

Run Number: 6434 | 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): 06:59 | Stop time (from RC): 07:28

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

hTRIG1 rate: 2.25 x 10^6 | hTRIG3 rate: 1585.3 | hTRIG4 rate: 503.6 | hTRIG5 rate: 876.2 | hTRIG6 rate: 286.9

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/10 LH2 (LooP3)

Events: 751K | Charge: 16.2 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.887% | Max NPS anode current (single crystal): 10.22 (μA)

Run Number: 6435 | I_{beam}: 11 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): 07:30 | Stop time (from RC): _____

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

hTRIG1 rate: 2.25 x 10^6 | hTRIG3 rate: 1597.2 | hTRIG4 rate: 495.7 | hTRIG5 rate: 917.6 | hTRIG6 rate: 298.5

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 4/10 LH2 (LooP3)

Events: 604K | Charge: 17.7 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.984% | Max NPS anode current (single crystal): 10.70 (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 / 05 / 02 (yy / mm / dd) Initials: J-C

Kinematics: KinC_x 36-4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6456 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.769 mm (Nomin:)	0.292 mm (Nomin:)
3H07C	0.7009 mm (Nomin:)	0.30 mm (Nomin:)

HMS p: +/- 2.562 (From GUI) θ(TV): 24.96 (Nearest 0.005)

SHMS θ(TV): 26.40 (Nearest 0.005)

NPS θ = SHMS −16.30° = 10.1 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 466 Amp | NPS Upstream Corr. I = — Amp | NPS Upstream Corr. I = — Amp

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Run Number: 6436 | 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): 8:00 | Stop time (from RC): 8:31

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

hTRIG1 rate: 2.28X10^6 | hTRIG3 rate: 1582.3 | hTRIG4 rate: 499.0 | hTRIG5 rate: 902.6 | hTRIG6 rate: 288.7

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5/10 LH2 (Loop3)

Events 834k | Charge 18.26mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.975 %

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

Run Number: 6437 | 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): 8:33 | Stop time (from RC): 8:03

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

hTRIG1 rate: 2.24e6 | hTRIG3 rate: 1634 | hTRIG4 rate: 528 | hTRIG5 rate: 927 | hTRIG6 rate: 314

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6/10 LH2 (Loop3)

Events 817k | Charge ~~29.00~~ 17.72mC

Active trigger LiveTime fraction (NPS Scaler Gui): _____

Max NPS anode current (single crystal): 10.55 (μA)

Run Number: 6438 | 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): 9:04 | Stop time (from RC): 9:34

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

hTRIG1 rate: 2.24e6 | hTRIG3 rate: 1664 | hTRIG4 rate: 490 | hTRIG5 rate: ~~926~~ 926 | hTRIG6 rate: 298

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7/10 LH2 (Loop3)

Events ~~872~~ 872 | Charge 19.19mC

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

Max NPS anode current (single crystal): 10.39 (μA)

Run Number: 6439 | 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): 9:35 | Stop time (from RC): 10:05

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

hTRIG1 rate: 2.26e6 | hTRIG3 rate: 1665 | hTRIG4 rate: 496 | hTRIG5 rate: 927 | hTRIG6 rate: 300

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8/10

Events 846k | Charge 18.55mC

Active trigger LiveTime fraction (NPS Scaler Gui): 1.00

Max NPS anode current (single crystal): 10.49 (μA)

p(e,e'γ) p Run Sheet

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

Date: 24/05/02 (yy mm dd) Initials: T-Sy

Use a separate sheet for each configuration.

Kinematics: KinC_x 36-4

Purpose:
- [ ] Production
- [ ] Test
- [ ] Optics
- [ ] Other: ______

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

E$_{beam}$: 8.456 GeV

Raster: [✓] On [ ] Off Size: 2×2

HMS	SHMS	NPS
p: +/- 2.562 (From GUI) θ(TV): 24.78 (Nearest 0.005)	θ(TV): 26.46 (Nearest 0.005)	θ = SHMS −16.30° 10.1 (Nearest 0.005)

Beam position and angle on target:

	X	Y
3H07A	1.28 mm (Nomin:)	0.3 mm (Nomin:)
3H07C	0.68 mm (Nomin:)	0.31 mm (Nomin:)

Collimator:	HMS: Large [✓] Sieve [ ]	NPS Sweep Magnet I = 461 Amp	NPS Upstream Corr. I = 0 Amp	NPS Upstream Corr. I = 0 Amp

Field	Run 1	Run 2	Run 3	Run 4
Run Number	1440	6441	6442	6443
I$_{beam}$ (μA)	11	11	9	6
Target	[✓] LH2 10cm	[✓] LH2 10cm	[✓] LH2 10cm	[✓] LH2 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	7	1	7	7
Start time (from RC)	10:07	10:42	11:22	11:50
Stop time (from RC)	10:41	11:19	11:48	
Settings Verified?	[✓]	[✓]	[✓]	[✓]
HV OK?	[✓]	[ ]	[ ]	[✓]
50k OK?	[✓]	[✓]	[✓]	[✓]
hTRIG1 rate	2.2e6	2.27e6	2.17e6	1.24e6
hTRIG3 rate	1615	1626	1297	912
hTRIG4 rate	520	480	377	8?
hTRIG5 rate	955	901	671	309
hTRIG6 rate	290	295	215	118
Data ok / Junk	[✓] Data ok	[✓] Data ok	[✓] Data ok	[✓] Data ok
Trigger	[✓] coin_sparse	[✓] coin_sparse	[✓] coin_sparse	[✓] coin_sparse
Comments	9/10	10/10	9μA (LH2 loop)	6μA (LH2 loop)
Events	1.2M	876k	541k	556k
Charge (C)	17.21	17.21	9.4m	10.4m
Active trigger LiveTime fraction (NPS Scaler Gui)	98.694	100	91.779	100
Max NPS anode current (single crystal) (μA)	10.61	10.21	8.72	5.92

p(e,e'γ) p Run Sheet

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

Date: 24 / 05 / 02 (yy mm dd)   Initials: T. Song

Use a separate sheet for each configuration.

Kinematics: KinC_x 36-4

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

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

E_{beam}: 8.486 GeV

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

Beam position and angle on target:

	X	Y
3H07A	1.78 mm	0.29 mm
Nomin:		
3H07C	0.695 mm	0.3 mm
Nomin:		

HMS p: +/- 2.562 (From GUI) θ(TV): 24.78 (Nearest 0.005)

SHMS θ(TV): 26.4 (Nearest 0.005)

NPS θ = SHMS −16.30° 10.1 (Nearest 0.005)

Collimator: HMS: Large [x] Sieve [ ] | *NPS Sweep Magnet I =* 40A *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)
8445	11	LH2 10cm [x]	-1	-1	-1	3	-1	-1	12:39	12:54	[x]	[x]	[ ]	2.26e6	1612	489	911	288	[ ]	[ ]		15min 11uA.	138k	3.81mC	100	10.55
8447	11	LH2 10cm [x]	-1	-1	3	-1	-1	-1	13:01	13:11	[x]	[x]	[ ]	2.21e6	1641	535	952	302	[ ]	[ ]	coin_sparse [x]	11uA. PS3=3	127k	3.57m C		11
6448	11	LH2 10cm [x]	-1		3	-1	-1	-1	13:14	13:19	[x]	[x]	[ ]	2.12e6	1796	535	931	306	[ ]	[ ]	coin_sparse [x]	11uA, PS3=3	1911	3.06m C		11.7
6449	11	LH2 10cm [x]	-1	-1	3	-1	-1	-1	13:21	13:29	[x]	[x]	[x]	2.12e6	1790	547	970	302	[x]	[ ]	coin_sparse [x]	11uA, PS3=3	135k	3.97m C		11.25

Trigger options per run: *coin_sparse* [ ] *coin* [ ] *coin_sparse_low* [ ]

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

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

Use a separate sheet for each configuration.

Date: 24 / 05 / 02 (yy / mm / dd) Initials: T-Sng

Kinematics: KinC_x36-4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 3.463 GeV

Raster: ☑ On ☐ Off Size: _____

Beam position and angle on target:

	X	Y
3H07A	1.8 mm	0.246 mm
Nomin:		
3H07C	0.7 mm	6.298 mm
Nomin:		

HMS

p: +/- 2.62 (From GUI) θ(TV): _____ (Nearest 0.005)

SHMS

θ(TV): 26.4 (Nearest 0.005)

NPS

θ = SHMS −16.30° = 6.1 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 463 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

---

Run Number: 6450

I_{beam}: 11 μA

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

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

Start time (from RC): 13:31

Stop time (from RC): 13:55

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

hTRIG1 rate 2.09e6 | hTRIG3 rate 840 | hTRIG4 rate 570 | hTRIG5 rate 970 | hTRIG6 rate 316

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 4541 Charge 5.69m C

Active trigger LiveTime fraction (NPS Scaler Gui)

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

Run Number: 64[illegible]

I_{beam}: 11 μA

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

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

Start time (from RC): 14:04

Stop time (from RC): (illegible)

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

hTRIG1 rate 2.12e6 | hTRIG3 rate 860 | hTRIG4 rate 776 | hTRIG5 rate 929 | hTRIG6 rate 296

☐ 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) 11.8 (μA)

Run Number: 6452

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): 14:07

Stop time (from RC): 14:37

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

hTRIG1 rate 2.12e6 | hTRIG3 rate 818 | hTRIG4 rate 576 | hTRIG5 rate 924 | hTRIG6 rate 296

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments:

Events 5706 Charge 1.85m C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) 11.82 (μA)

Run Number: 6453

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): 14:39

Stop time (from RC): 15:11

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

hTRIG1 rate 2.11e6 | hTRIG3 rate 1772 | hTRIG4 rate 528 | hTRIG5 rate 958 | hTRIG6 rate 307

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 9461 Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) 11.82 (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 05 02 (yy mm dd) Initials: TS

Kinematics: KinC_x 36 4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 9.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.78 mm Nomin:	0.33 mm Nomin:
3H07C	0.00 mm Nomin:	0.11 mm Nomin:

HMS p: +/- 02.862 From GUI θ(TV): 24.78 Nearest 0.005

SHMS θ(TV): 26.9 Nearest 0.005

NPS θ = SHMS −16.30° 10.1 Nearest 0.005

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

---

Run Number: 6454 | I_{beam}: 11 μA

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

PS1: 1 PS2: 1 PS3: 3 PS4: 4 PS5: 1 PS6: 2

Start time (from RC): 15:19 Stop time (from RC): 15:44

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

hTRIG1 rate 2.27e6 hTRIG3 rate 1mr hTRIG4 rate 449 hTRIG5 rate 7xy hTRIG6 rate 2x4

☐ 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) 10-68 (μA)

Run Number: 6455 | 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): 15:52 Stop time (from RC): 16:22

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

hTRIG1 rate 1.80x10^6 hTRIG3 rate 1310 hTRIG4 rate 361 hTRIG5 rate 528 hTRIG6 rate 164

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6 μA, Dummy

Events 1.5M Charge 4.6C

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 10.54 (μA)

Run Number: 6456 | 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): 16:23 Stop time (from RC): 16:54

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

hTRIG1 rate 1.87x10^6 hTRIG3 rate 1276 hTRIG4 rate 341 hTRIG5 rate 548 hTRIG6 rate 166

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6 μA, Dummy

Events 1.5M Charge 4.6C

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 11.26 (μA)

Run Number: 6457 | 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): 16:55 Stop time (from RC): 17:25

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

hTRIG1 rate 1.74x10^6 hTRIG3 rate 1342 hTRIG4 rate 371 hTRIG5 rate 497 hTRIG6 rate 157

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6 μA, Dummy

Events 605K Charge 4.6C

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 11.23 (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: 24/05/02 (yy/mm/dd) Initials: H.M

Kinematics: KinC_x 36.4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +5 2.562 From GUI θ(TV): 24.78 Nearest 0.005

SHMS θ(TV): 26.40 Nearest 0.005

NPS θ = SHMS −16.30° 10.1 Nearest 0.005

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.80 mm	0.32 mm	0.71 mm	0.31 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: 6458 | 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): 17:35 | Stop time (from RC): 18:05

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

hTRIG1 rate: 2.50×10^6 | hTRIG3 rate: 3376 | hTRIG4 rate: 874 | hTRIG5 rate: 2147 | hTRIG6 rate: 546

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/14, LD2

Events 1.36M Charge 4.6C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.7%

Max NPS anode current (single crystal): 10.36 (μA)

Run Number: 6459 | 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): 18:06 | Stop time (from RC): 18:37

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

hTRIG1 rate: 2.49×10^6 | hTRIG3 rate: 3316 | hTRIG4 rate: 853 | hTRIG5 rate: 2098 | hTRIG6 rate: 567

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/14, LD2 50k replay charge wrong

Events 1.4M Charge ? C

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

Max NPS anode current (single crystal): 9.67 (μA)

Run Number: 6460 | 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): 18:38 | Stop time (from RC): 19:09

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

hTRIG1 rate: 2.48×10^6 | hTRIG3 rate: 3367 | hTRIG4 rate: 879 | hTRIG5 rate: 2136 | hTRIG6 rate: 542

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/14, LD2

Events 1.45M Charge 9.9C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9

Max NPS anode current (single crystal): 10.01 (μA)

Run Number: 6461 | 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): 19:09 | Stop time (from RC): 19:39

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

hTRIG1 rate: 2.47×10^6 | hTRIG3 rate: 3431 | hTRIG4 rate: 853 | hTRIG5 rate: 2144 | hTRIG6 rate: 572

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 4/14, LD2

Events 1.49M Charge 10.3C

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

Max NPS anode current (single crystal): 10.16 (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 / 05 / 02 (yy / mm / dd) Initials: H.M.

Kinematics: KinC_x36_4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.81 mm (Nomin:)	0.29 mm (Nomin:)
3H07C	0.70 mm (Nomin:)	0.30 mm (Nomin:)

HMS

p: ~~2.562~~ From GUI θ(TV): ~~24.78~~ Nearest 0.005

SHMS

θ(TV): 25.40 Nearest 0.005

NPS

θ = SHMS −16.30° 10.1 Nearest 0.005

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

---

Run Number: 6462 | I_{beam}: 6 μA

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

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

Start time (from RC): 19:40 Stop time (from RC): 20:11

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

hTRIG1 rate 2.48×10^6 | hTRIG3 rate 3333 | hTRIG4 rate 899

hTRIG5 rate 2172 | hTRIG6 rate 565

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5/14, LD2

Events 1.45M Charge 9.9C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.9%

Max NPS anode current (single crystal) 9.82 (μA)

Run Number: 6463 | 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): 20:12 Stop time (from RC): 20:43

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

hTRIG1 rate 2.48×10^6 | hTRIG3 rate 3362 | hTRIG4 rate 884

hTRIG5 rate 2164 | hTRIG6 rate 564

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6/14, LD2

Events 1.56M Charge 10.7C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.9%

Max NPS anode current (single crystal) 10.04 (μA)

Run Number: 6464 | 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): 20:44 Stop time (from RC): 21:15

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

hTRIG1 rate 2.47×10^6 | hTRIG3 rate 3416 | hTRIG4 rate 890

hTRIG5 rate 2145 | hTRIG6 rate 569

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7/14, LD2

Events 1.44M Charge 9.9C

Active trigger LiveTime fraction (NPS Scaler Gui) 98.7%

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

Run Number: 6465 | 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): 21:16 Stop time (from RC): 21:46

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

hTRIG1 rate 2.5×10^6 | hTRIG3 rate 3358 | hTRIG4 rate 888

hTRIG5 rate 2138 | hTRIG6 rate 564

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8/14, LD2

Events 1.25M Charge 8.5C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.9%

Max NPS anode current (single crystal) 10.18 (μA)

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

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

Date: 24 / 05 / 02 (yy / mm / dd) Initials: H.M.

Use a separate sheet for each configuration.

Kinematics: KinC_x36_4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

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

HMS p: 3.562 (From GUI) θ(TV): 24.88 (Nearest 0.005)

SHMS θ(TV): 26.40 (Nearest 0.005)

NPS θ = SHMS −16.30° = 10.1 (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: 6466 | 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): 22:01 | Stop time (from RC): 22:31

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

hTRIG1 rate: 2.46x10^6 | hTRIG3 rate: 3360 | hTRIG4 rate: 883 | hTRIG5 rate: 2113 | hTRIG6 rate: 573

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 9/14, LD2

Events: 1.28 M | Charge: 8.7C

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

Max NPS anode current (single crystal): 10.21 (μA)

Run Number: 6467 | 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): 22:32 | Stop time (from RC): 23:03

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

hTRIG1 rate: 2.47x10^6 | hTRIG3 rate: 3376 | hTRIG4 rate: 859 | hTRIG5 rate: 2134 | hTRIG6 rate: 582

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 10/14, LD2

Events: 1.39 M | Charge: 9.5C

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

Max NPS anode current (single crystal): 10.33 (μA)

Run Number: 6468 | 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): 23:04 | Stop time (from RC): 23:31

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

hTRIG1 rate: 2.48x10^6 | hTRIG3 rate: 3418 | hTRIG4 rate: 854 | hTRIG5 rate: 2133 | hTRIG6 rate: 553

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 11/14, LD2 Ended run Beam OFF for Hall B work.

Events: 1.27 | Charge: 8.7C

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

Max NPS anode current (single crystal): 9.87 (μA)

Run Number: 6469 | 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): 23:41 | Stop time (from RC): 00:19

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

hTRIG1 rate: 2.48x10^6 | hTRIG3 rate: 3333 | hTRIG4 rate: 864 | hTRIG5 rate: 2082 | hTRIG6 rate: 568

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 12/14, LD2

Events: 1.7 M | Charge: 11.5C

Active trigger LiveTime fraction (NPS Scaler Gui): 98.6%

Max NPS anode current (single crystal): 9.77 (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: I.H

Kinematics: KinC_x 36-4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.996 mm	0.26 mm	0.706 mm	0.249 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS: p: +/- 2.562 (From GUI) θ(TV): 24.78 (Nearest 0.005)

SHMS: θ(TV): 26.40 (Nearest 0.005)

NPS: θ = SHMS −16.30° = 10.10 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 466 Amp | NPS Upstream Corr. I = ~ Amp | NPS Upstream Corr. I = _____ Amp

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Run Number: 6470 | I_{beam}: 6 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): 00:17 | Stop time (from RC): 00:55

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

hTRIG1 rate: 2.48 X 10⁶ | hTRIG3 rate: 3326.6 | hTRIG4 rate: 870.2 | hTRIG5 rate: 2138.6 | hTRIG6 rate: 548.6

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 13/14, LD2

Events 1.6M | Charge 126 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.985% | Max NPS anode current (single crystal): 9.9 (μA)

Run Number: 6471 | I_{beam}: 6 μA

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

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

Start time (from RC): 00:56 | Stop time (from RC): 01:26

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

hTRIG1 rate: 2.48X10⁶ | hTRIG3 rate: 3421.2 | hTRIG4 rate: 896.1 | hTRIG5 rate: 2140.9 | hTRIG6 rate: 550.2

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 14/14, LD2

Events 1.4M | Charge 10.2 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.981% | Max NPS anode current (single crystal): 10 (μA)

Run Number: 6473 | I_{beam}: 4 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): 01:33 | Stop time (from RC): 02:05

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

hTRIG1 rate: 2.12X10⁶ | hTRIG3 rate: 2290.3 | hTRIG4 rate: 592.4 | hTRIG5 rate: 1117.9 | hTRIG6 rate: 309.5

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: One 30-min run, 4uA, LD2

Events 1.1M | Charge 7.7 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.97% | Max NPS anode current (single crystal): 6.69 (μA)

Run Number: 6474 | I_{beam}: 6 μA

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

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

Start time (from RC): 02:12 | Stop time (from RC): 02:29

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

hTRIG1 rate: 2.47X10⁶ | hTRIG3 rate: 3430.6 | hTRIG4 rate: 876.7 | hTRIG5 rate: 2157.0 | hTRIG6 rate: 580.0

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: 1/1, 15 min, LD2

Events 0.4M | Charge 6.4 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 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 / 05 / 03 (yy / mm / dd) Initials: J.C

Kinematics: KinC_x 36_4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.804 mm	0.3176 mm	0.701 mm	0.291 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS

p: +2.562 (From GUI) θ(TV): 24.78 (Nearest 0.005)

SHMS

θ(TV): ~~26.4~~ (Nearest 0.005)

NPS

θ = SHMS −16.30° 10.1 (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: 6475

I_{beam}: 6 μA

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

PS1: -2 PS2: -1 PS3: 4 PS4: -1 PS5: -1 PS6: -1

Start time (from RC): 02:34

Stop time (from RC): 02:54

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

hTRIG1 rate: 2.46 X 10^6 | hTRIG3 rate: 3397.6 | hTRIG4 rate: 873.4

hTRIG5 rate: 2243.4 | hTRIG6 rate: 557.2

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/1, 15 min, LD2

Events 400K Charge 6.99C

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

Max NPS anode current (single crystal): 10.33 (μA)

Run Number: 6477

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): 03:12

Stop time (from RC): 03:46

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

hTRIG1 rate: 2.30 X 10^6 | hTRIG3 rate: 1632.1 | hTRIG4 rate: 524.1

hTRIG5 rate: 921.6 | hTRIG6 rate: 287.6

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/10, LH2

Events 858K Charge 18.2mC

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

Max NPS anode current (single crystal): 9.99 (μA)

Run Number: 6478

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): 03:49

Stop time (from RC): 04:21

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

hTRIG1 rate: 2.28 X 10^6 | hTRIG3 rate: 1588.4 | hTRIG4 rate: 523.5

hTRIG5 rate: 926.7 | hTRIG6 rate: 295.9

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/10, LH2

Events 836K Charge 17.9mC

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

Max NPS anode current (single crystal): 10.51 (μA)

Run Number: 6479

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): 04:22

Stop time (from RC): 04:53

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

hTRIG1 rate: 2.3 X 10^6 | hTRIG3 rate: 1590.3 | hTRIG4 rate: 492.0

hTRIG5 rate: 886.0 | hTRIG6 rate: 297.7

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/10, LH2

Events 797K Charge 16.8mC

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

Max NPS anode current (single crystal): 10.34 (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: J.C

Kinematics: KinC_x 36-4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.45 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.77 mm	0.348 mm	0.719 mm	0.295 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS: p: +02.65 (From GUI) θ(TV): 24.78 (Nearest 0.005)

SHMS: θ(TV): 26.4 (Nearest 0.005)

NPS: θ = SHMS −16.30° 10.1 (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: 6480 | 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): 04:55 | Stop time (from RC): 05:34

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

hTRIG1 rate: 2.29×10^6 | hTRIG3 rate: 1618.8 | hTRIG4 rate: 500.6 | hTRIG5 rate: 930.6 | hTRIG6 rate: 302.2

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4/10, LH2

Events 1.1 M | Charge 23.7 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 10.85 (μA)

Run Number: 6481 | 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): 05:37 | Stop time (from RC): 06:09

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

hTRIG1 rate: 2.28×10^6 | hTRIG3 rate: 1597.3 | hTRIG4 rate: 504.2 | hTRIG5 rate: 908.4 | hTRIG6 rate: 292.9

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5/10, LH2

Events 775 K | Charge 16.3 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 10.45 (μA)

Run Number: 6482 | 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): 06:20 | Stop time (from RC): 06:53

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

hTRIG1 rate: 2.27×10^6 | hTRIG3 rate: 1608.5 | hTRIG4 rate: 522.9 | hTRIG5 rate: 902.9 | hTRIG6 rate: 305.5

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6/10, LH2

Events 88.6 K | Charge 18.8 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 10.10 (μA)

Run Number: 6483 | 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): 06:57 | Stop time (from RC): 07:29

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

hTRIG1 rate: 2.26×10^6 | hTRIG3 rate: 1688.0 | hTRIG4 rate: 512.6 | hTRIG5 rate: 895.7 | hTRIG6 rate: 283.8

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7/10, LH2

Events 908 K | Charge 19.2 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 10.64 (μA)

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

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

Use a separate sheet for each configuration.

Date: 24/05/03 (yy/mm/dd) Initials: J.C.

Kinematics: KinC_x 36-4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2 x 2

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.78 mm	0.295 mm	0.705 mm	0.307 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS: p: +2.65 (From GUI) θ(TV): 24.78 (Nearest 0.005)

SHMS: θ(TV): 26.4 (Nearest 0.005)

NPS: θ = SHMS −16.30° 10.1 (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: 6484 | 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): 07:31 | Stop time (from RC): 08:02

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

hTRIG1 rate: 2.29X10^6 | hTRIG3 rate: 1662.5 | hTRIG4 rate: 521.6 | hTRIG5 rate: 916.6 | hTRIG6 rate: 297.0

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8/10, LH2

Events 874K | Charge 18.9C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 16.41 (μA)

Run Number: 6485 | I_{beam}: 9 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): 08:03 | Stop time (from RC): 08:24

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

hTRIG1 rate: 2.13x10^6 | hTRIG3 rate: 1337 | hTRIG4 rate: 451 | hTRIG5 rate: 747 | hTRIG6 rate: 240

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 9μA, LH2

Events 455 | Charge 8.5C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 2.25 (μA)

Run Number: 6486 | 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): 08:25 | Stop time (from RC): 08:55

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

hTRIG1 rate: 1.21X10^6 | hTRIG3 rate: 943 | hTRIG4 rate: 292 | hTRIG5 rate: 304 | hTRIG6 rate: 114

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6μA, LH2

Events 522K | Charge 10.3C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 5.74 (μA)

Run Number: 6487 | 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: 2 PS5: -1 PS6: -1

Start time (from RC): 08:58 | Stop time (from RC): 09:13

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

hTRIG1 rate: 2.28x10^6 | hTRIG3 rate: 1642 | hTRIG4 rate: 511 | hTRIG5 rate: 916 | hTRIG6 rate: 294

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: 11μA, coin, LH2

Events 143K | Charge 3.2C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 10.6 (μA)

PS4=2

$p(e,e'\gamma)\,p$ 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: H.M.

Kinematics: KinC_x36_4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 3.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

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

HMS	SHMS	NPS
p: 2.562 (From GUI) θ(TV): 24.78 (Nearest 0.005)	θ(TV): 26.40 (Nearest 0.005)	θ = SHMS −16.30° 10.1 (Nearest 0.005)

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

Run Number	Configuration	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	I_{beam}	coin_sparse	coin	coin_sparse_low	Comments	Events	Charge	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal)
6488	☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ____	-1	-1	-1	0	-1	-1	08:19	09:49	☑	☑	☑	1.68×10^6	1337	340	560	170	☑	☐	6 μA	☑	☐	☐	Dummy	571K	9.4C	99.9%	10.60 (μA)
6489	☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ____	-1	-1	-1	0	-1	-1	10:48	11:09	☑	☑	☑	2.27×10^6	6042	581	3460	349	☑	☐	11 μA	☑	☐	☐	LH2, Positron, 1/4 (Beam was OFF last 8min.)	452K	8 C	99.9%	10.70 (μA)
6490	☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ____	-1	-1	-1	0	-1	-1	11:15	11:45	☑	☑	☑	2.26×10^6	6096	577	3404	335	☑	☐	11 μA	☑	☐	☐	LH2, Positron, 2/4	947K	17.9C	99.9%	10.79 (μA)
6491	☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ____	-1	-1	-1	0	-1	-1	11:46	12:17	☑	☑	☑	2.29×10^6	5947	571	3354	323	☑	☐	11 μA	☑	☐	☐	LH2, Positron, 3/4	981K	18.3C	100%	10.19 (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 / 05 / 03 (yy / mm / dd) Initials: H.M.

Kinematics: KinC_x36_4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- 2.562 (From GUI) θ(TV): 24.78 (Nearest 0.005)

SHMS θ(TV): 26.40 (Nearest 0.005)

NPS θ = SHMS −16.30° = 10.10 (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	1.80 mm	0.32 mm
Nomin:		

3H07C	X	Y
	0.70 mm	0.31 mm
Nomin:		

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

---

Run Number: 6492 | 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): 12:18 Stop time (from RC): 12:49

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

hTRIG1 rate: 2.28x10^6 hTRIG3 rate: 6192 hTRIG4 rate: 575 hTRIG5 rate: 3390 hTRIG6 rate: 326

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LH2, Positron, 4/4

Events: 900K Charge: 16.8C Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% Max NPS anode current (single crystal): 10.43 (μA)

Run Number: 6493 | 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): 12:55 Stop time (from RC): 13:25

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

hTRIG1 rate: 2.11x10^6 hTRIG3 rate: 6965 hTRIG4 rate: 635 hTRIG5 rate: 3532 hTRIG6 rate: 341

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LH2, Positron, Fan3 Eng: 4.2GeV

Events: 906K Charge: 15C Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% Max NPS anode current (single crystal): 11.62 (μA)

Run Number: 6494 | 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): 13:32 Stop time (from RC): 14:02

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

hTRIG1 rate: 1.7x10^6 hTRIG3 rate: 5106 hTRIG4 rate: 401 hTRIG5 rate: 2077 hTRIG6 rate: 194

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6μA, Dummy, e^+

Events: 700K Charge: 9.5C Active trigger LiveTime fraction (NPS Scaler Gui): 100% Max NPS anode current (single crystal): 9.30 (μA)

Run Number: 6495 | 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): 14:03 Stop time (from RC): 14:33

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

hTRIG1 rate: 1.71x10^6 hTRIG3 rate: 5126 hTRIG4 rate: 428 hTRIG5 rate: 2030 hTRIG6 rate: 200

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6μA, Dummy, e^+

Events: 746K Charge: 10.2C Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% Max NPS anode current (single crystal): 11.06 (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 / 05 / 03 (yy / mm / dd) Initials: H.M.

Kinematics: KinC_x 36.4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	3H07A Y
1.83 mm (Nomin:)	0.26 mm (Nomin:)
3H07C X	3H07C Y
0.68 mm (Nomin:)	0.30 mm (Nomin:)

HMS: p: +/- 2.562 (From GUI) θ(TV): 24.78 (Nearest 0.005)

SHMS: θ(TV): 26.40 (Nearest 0.005)

NPS: θ = SHMS −16.30° 10.10 (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: 6496 | 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): 14:48 | Stop time (from RC): 15:18

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

hTRIG1 rate: 2.48×10^6 | hTRIG3 rate: 10352 | hTRIG4 rate: 887 | hTRIG5 rate: 6487 | hTRIG6 rate: 606

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LD2, e+, 2/6

Events: 1.28M | Charge: 8.4C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.3% | Max NPS anode current (single crystal): 10.05 (μA)

Run Number: 6497 | 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): 15:19 | Stop time (from RC): 15:49

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

hTRIG1 rate: 2.51×10^6 | hTRIG3 rate: 9958 | hTRIG4 rate: 891 | hTRIG5 rate: 6467 | hTRIG6 rate: 612

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LD2, e+, 2/6

Events: 1.0M | Charge: 6.8C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 9.76 (μA)

Run Number: 6498 | 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): 15:50 | Stop time (from RC): 16:21

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

hTRIG1 rate: 2.49 | hTRIG3 rate: 10152 | hTRIG4 rate: 915 | hTRIG5 rate: 6408 | hTRIG6 rate: 580

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LD2, e+, 3/6

Events: 1.56 | Charge: 10.4 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 98.9% | Max NPS anode current (single crystal): 9.93 (μA)

Run Number: 6499 | 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): 16:22 | Stop time (from RC): 16:54

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

hTRIG1 rate: 2.47e6 | hTRIG3 rate: 10.3K | hTRIG4 rate: 899 | hTRIG5 rate: 6.5K | hTRIG6 rate: 608

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4/6 LD2, e+

Events: 1.67M | Charge: 10.7 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 10.11 (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: 24/05/03 (yy/mm/dd) Initials: RMM

Kinematics: KinC_x 36-4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.487 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

	X	Y
3H07A	1.55 mm (Nomin:)	0.3 mm (Nomin:)
3H07C	0.75 mm (Nomin:)	0.3 mm (Nomin:)

HMS: p: 2.562 (From GUI) θ(TV): 24.78 (Nearest 0.005)

SHMS: θ(TV): 26.40 (Nearest 0.005)

NPS: θ = SHMS −16.30° = 10.10 (Nearest 0.005)

Collimator: HMS: ☑ Large ☐ Sieve | NPS Sweep Magnet I = 4.68 Amp | NPS Upstream Corr. I = 8 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 6500 | I_{beam}: 6 μA

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

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

Start time (from RC): 16:55 | Stop time (from RC): 17:28

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

hTRIG1 rate: 2.5e6 | hTRIG3 rate: 9.8K | hTRIG4 rate: 897 | hTRIG5 rate: 6.3K | hTRIG6 rate: 578

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5/6 LD2, e+

Events: 1.68M | Charge: 11.2 mC

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

Max NPS anode current (single crystal): 9.72 (μA)

Run Number: 6861 | I_{beam}: 6 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): 17:29 | Stop time (from RC): 18:01

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

hTRIG1 rate: 2.5e6 | hTRIG3 rate: 10.0K | hTRIG4 rate: 893 | hTRIG5 rate: 6.42K | hTRIG6 rate: 588

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6/6 LD2, e+

Events: 1.6M | Charge: 10.6 mC

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

Max NPS anode current (single crystal): 9.84 (μA)

Run Number: 6502 | I_{beam}: 6 μA

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

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

Start time (from RC): 18:09 | Stop time (from RC): 18:14

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

hTRIG1 rate: 2.5e6 | hTRIG3 rate: 10.0K | hTRIG4 rate: 888 | hTRIG5 rate: 6.4K | hTRIG6 rate: 620

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7/6 LD2, e+

Events: 211K | Charge: 1.34 mC

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

Max NPS anode current (single crystal): 9.73 (μA)

Run Number: 6503 | I_{beam}: 6 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): 19:37 | Stop time (from RC): 20:06

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

hTRIG1 rate: 1.88e6 | hTRIG3 rate: 1.3K | hTRIG4 rate: 339 | hTRIG5 rate: 586 | hTRIG6 rate: 175

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/3 Dummy

Events: 556K | Charge: ____ C

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

Max NPS anode current (single crystal): 10.47 (μA)

Beam out of wrong disconnect

$p(e,e'\gamma)\,p$ 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: RMP

Kinematics: KinC_x 36.4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.957 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

	X	Y
3H07A	1.85 mm (Nomin:)	0.3 mm (Nomin:)
3H07C	0.75 mm (Nomin:)	0.3 mm (Nomin:)

HMS p: +02.562 From GUI θ(TV): 24.78 Nearest 0.005

SHMS θ(TV): 26.4 Nearest 0.005

NPS θ = SHMS −16.30° Nearest 0.005 10.1

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: 6504 | I_{beam}: 11 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): 20:15 Stop time (from RC): 20:45

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

hTRIG1 rate: 2.07x6 hTRIG3 rate: 1.9K hTRIG4 rate: 588 hTRIG5 rate: 973 hTRIG6 rate: 301

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LH_2 test run

Events 485K Charge 7.8 mC Active trigger LiveTime fraction (NPS Scaler Gui): 100% Max NPS anode current (single crystal): 8.55 (μA)

Run Number: 6505 | I_{beam}: 6 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): 00:03 Stop time (from RC): 00:

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

hTRIG1 rate: 1.75x10⁶ hTRIG3 rate: 1354.2 hTRIG4 rate: 337.7 hTRIG5 rate: 565.4 hTRIG6 rate: 172.2

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Dummy Target

Events 460K Charge 7.43 mC Active trigger LiveTime fraction (NPS Scaler Gui): 100% Max NPS anode current (single crystal): 10.91 (μA)

Run Number: 6506 | I_{beam}: 6 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): 00:49 Stop time (from RC): 01:22

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

hTRIG1 rate: 1.02x10⁶ hTRIG3 rate: 2611.3 hTRIG4 rate: 826.5 hTRIG5 rate: 2086.1 hTRIG6 rate: 574.8

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/14 ; LD2

Events 1.43 M Charge 9.7 mC Active trigger LiveTime fraction (NPS Scaler Gui): 99.98 % Max NPS anode current (single crystal): 6.32 (μA)

Run Number: 6507 | I_{beam}: _____ 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): 01:24 Stop time (from RC): 01:56

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

hTRIG1 rate: 2.49x10⁶ hTRIG3 rate: 3294.7 hTRIG4 rate: 866. hTRIG5 rate: 2126.7 hTRIG6 rate: 566.1

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/14 , LD2

Events 1.42M Charge 9.58 mC Active trigger LiveTime fraction (NPS Scaler Gui): 99.31% Max NPS anode current (single crystal): 9.88 (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 / 05 / 04 (yy / mm / dd) Initials: I. H.

Kinematics: KinC_x 36-4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +(-) 2.652 (From GUI) θ(TV): 24.78 (Nearest 0.005)

SHMS θ(TV): 26.4 (Nearest 0.005)

NPS θ = SHMS −16.30° = 10.1 (Nearest 0.005)

Beam position and angle on target:

3H07A X (Nomin:)	3H07A Y (Nomin:)
1.8105 mm	0.2827 mm
3H07C X (Nomin:)	3H07C Y (Nomin:)
0.6782 mm	0.3001 mm

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: 6508 | 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): 01:58 | Stop time (from RC): 02:17

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

hTRIG1 rate: 2.49x10^6 | hTRIG3 rate: 3333.5 | hTRIG4 rate: 857.6 | hTRIG5 rate: 2243.4 | hTRIG6 rate: 570.8

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/14, LD2. ← stop the run early because the chiller alarm

Events _____ Charge 4.7 mC

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

Max NPS anode current (single crystal): 9.93 (μA)

Run Number: 6509 | I_{beam}: _____ 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): 2:34 | Stop time (from RC): 03:28

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

hTRIG1 rate: 2.48x10^6 | hTRIG3 rate: 3431.9 | hTRIG4 rate: 836.1 | hTRIG5 rate: 2155.1 | hTRIG6 rate: 571.6

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 4/14, LD2

Events 2.16 M Charge 14.7 mC

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

Max NPS anode current (single crystal): 10.09 (μA)

Run Number: 6510 | 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): 03:20 | Stop time (from RC): 03:54

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

hTRIG1 rate: 2.49x10^6 | hTRIG3 rate: 3340.3 | hTRIG4 rate: 865.8 | hTRIG5 rate: 2119.3 | hTRIG6 rate: 568.6

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 5/14, LD2

Events 1.69 M Charge 11.7 mC

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

Max NPS anode current (single crystal): 9.79 (μA)

Run Number: 6511 | 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): 03:56 | Stop time (from RC): 04:28

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

hTRIG1 rate: 2.49x10^6 | hTRIG3 rate: 3384.2 | hTRIG4 rate: 870.1 | hTRIG5 rate: 2130.3 | hTRIG6 rate: 560

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 6/14, LD2

Events 1.61 M Charge 11.2 mC

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

Max NPS anode current (single crystal): 9.65 (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: 24 / 05 / 04 (yy / mm / dd) Initials: I-H-

Kinematics: KinC_x 36.4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +2.362 (From GUI) θ(TV): 24.78 (Nearest 0.005)

SHMS θ(TV): 26.4 (Nearest 0.005)

NPS θ = SHMS −16.30° 10.1 (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: 1.788 mm (Nomin:)	Y: 0.301 mm (Nomin:)
3H07C	X: 0.704 mm (Nomin:)	Y: 0.3105 mm (Nomin:)

Run Number: 6512 | 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): 04:30 | Stop time (from RC): 05:01

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

hTRIG1 rate: 2.50x10^6 | hTRIG3 rate: 3278.5 | hTRIG4 rate: 860.4 | hTRIG5 rate: 2114.9 | hTRIG6 rate: 545.7

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7/14, LD2

Events 1.43M | Charge 9.88 mC

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

Max NPS anode current (single crystal): 9.30 (μA)

Run Number: 6513 | 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): 05:03 | Stop time (from RC): 05:35

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

hTRIG1 rate: 2.5x10^6 | hTRIG3 rate: 3352.6 | hTRIG4 rate: 860.4 | hTRIG5 rate: 2126.6 | hTRIG6 rate: 580.6

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8/14, LD2

Events 1.06M | Charge 7.11 mC

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

Max NPS anode current (single crystal): 9.49 (μA)

Run Number: 6514 | 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): 05:36 | Stop time (from RC): 06:08

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

hTRIG1 rate: 2.49x10^6 | hTRIG3 rate: 3322.9 | hTRIG4 rate: 858.9 | hTRIG5 rate: 2168.6 | hTRIG6 rate: 581.3

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 9/14, LD2

Events 1.49M | Charge 10.19 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.92 %

Max NPS anode current (single crystal): 9.82 (μA)

Run Number: 6515 | 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): 06:12 | Stop time (from RC): 06:43

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

hTRIG1 rate: 2.4x10^6 | hTRIG3 rate: 3366.5 | hTRIG4 rate: 872.9 | hTRIG5 rate: 2139.3 | hTRIG6 rate: 567.9

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 10/14, LD2

Events 1.41M | Charge 9.68 mC

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

Max NPS anode current (single crystal): 9.79 (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 / 05 / 04 (yy / mm / dd) Initials: I. H.

Kinematics: KinC_x 36.4

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

HMS, field, current OK? yes ☐ no ☐

E_{beam}: 8.45 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- 2.552 From GUI θ(TV): 24.78 Nearest 0.005

SHMS θ(TV): 26.4 Nearest 0.005

NPS θ = SHMS −16.30° 10.1 Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
	1.794 mm	0.308 mm
Nomin:		Nomin:

3H07C	X	Y
	0.685 mm	0.300 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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Run Number: 6516 | 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): 06:46 Stop time (from RC): 07:23

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

hTRIG1 rate: 2.49X10^6 hTRIG3 rate: 3335.8 hTRIG4 rate: 876.2 hTRIG5 rate: 2210.0 hTRIG6 rate: 575.9

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 11/14, LD2

Events 1.4M Charge 11.5mC

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

Max NPS anode current (single crystal): 10.09 (μA)

Run Number: 6517 | 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): 07:26 Stop time (from RC): [illegible]

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

hTRIG1 rate: 2.51X10^6 hTRIG3 rate: 3254.5 hTRIG4 rate: 843.4 hTRIG5 rate: 2087.4 hTRIG6 rate: 566.9

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 12/14, LD2 ← coda troubles / no-end of the run

Events 1.3M Charge ____C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.91%

Max NPS anode current (single crystal): 9.46 (μA)

Run Number: 6518 | 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): 08:02 Stop time (from RC): 08:40

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

hTRIG1 rate: 2.49e6 hTRIG3 rate: 3338 hTRIG4 rate: 867 hTRIG5 rate: 2142 hTRIG6 rate: 580

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 12/14, LD2

Events 1.46M Charge ____C

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

Max NPS anode current (single crystal): 9.81 (μA)

Run Number: 6519 | 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): 08:42 Stop time (from RC): 09:17

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

hTRIG1 rate: 2.49e6 hTRIG3 rate: 3365 hTRIG4 rate: 875 hTRIG5 rate: 2141 hTRIG6 rate: 569

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 13/14, LD2

Events 1.6M Charge ____C

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

Max NPS anode current (single crystal): 10.12 (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 / 05 / 04 (yy / mm / dd) Initials: A. Hoogh

Kinematics: KinC_x 36-4

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

HMS, field, current OK? yes ☐ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	3H07A Y
1.77 mm (Nomin:)	0.29 mm (Nomin:)
3H07C X	3H07C Y
0.68 mm (Nomin:)	0.31 mm (Nomin:)

HMS

p: +Θ 2.65 (From GUI) θ(TV): 24.78 (Nearest 0.005)

SHMS

θ(TV): 26.40 (Nearest 0.005)

NPS

θ = SHMS −16.30° 10.1 (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: 6520 | 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): 09:19 | Stop time (from RC): 09:52

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

hTRIG1 rate: 2.49e6 | hTRIG3 rate: 3378 | hTRIG4 rate: 882 | hTRIG5 rate: 2148 | hTRIG6 rate: 582

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 14/14

Events 1.5M Charge ___C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 9.90 (μA)

Run Number: 6521 | 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): 09:55 | Stop time (from RC): 10:33

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

hTRIG1 rate: 1.86e6 | hTRIG3 rate: 2238 | hTRIG4 rate: 602 | hTRIG5 rate: 1082 | hTRIG6 rate: 284

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1 30 min, 4uA

Events ___ Charge ___C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 6.45 (μA)

Run Number: 6522 | 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: -1

Start time (from RC): 10:38 | Stop time (from RC): 10:59

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

hTRIG1 rate: 2.49e6 | hTRIG3 rate: 3444 | hTRIG4 rate: 875 | hTRIG5 rate: 2191 | hTRIG6 rate: 553

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments: 1 15 min, 6uA

Events ___ Charge 6.7C

Active trigger LiveTime fraction (NPS Scaler Gui):

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

Run Number: 6523 | I_{beam}: 95 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): 11:53 | Stop time (from RC): 12:15

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

hTRIG1 rate: 2.26e6 | hTRIG3 rate: 1665 | hTRIG4 rate: 509 | hTRIG5 rate: 969 | hTRIG6 rate: 304

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/8, LH2

Events 445K Charge 2.5C

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

Max NPS anode current (single crystal): 10.95 (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 / 05 / 04 (yy / mm / dd) Initials: A. Kogh

Kinematics: KinC_x 36_4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2×2

HMS p: +Q 2.65 (From GUI) θ(TV): 24.78 (Nearest 0.005)

SHMS θ(TV): 26.40 (Nearest 0.005)

NPS θ = SHMS −16.30° 10.1 (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	1.82 mm (Nomin:)	0.25 mm (Nomin:)
3H07C	X	Y
	0.69 mm (Nomin:)	0.30 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: 6524 | I_{beam}: 9.5 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): 12:26 | Stop time (from RC): 13:03

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

hTRIG1 rate 2.31e6 | hTRIG3 rate 1676 | hTRIG4 rate 514 | hTRIG5 rate 943 | hTRIG6 rate 306

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/8 LH2

Events 1M Charge 18.5

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

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

Run Number: 6526 | I_{beam}: 9.5 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): 13:04 | Stop time (from RC): 13:38

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

hTRIG1 rate 2.27e6 | hTRIG3 rate 1716 | hTRIG4 rate 522 | hTRIG5 rate 971.4 | hTRIG6 rate 300.4

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/8 LH2

Events 1M Charge 19C

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

Max NPS anode current (single crystal): 10.56 (μA)

Run Number: 6526 | I_{beam}: 9.5 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): 13:40 | Stop time (from RC): 14:22

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

hTRIG1 rate 2.32e6 | hTRIG3 rate 1663 | hTRIG4 rate 516 | hTRIG5 rate 974 | hTRIG6 rate 318

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/8 LH2

Events 1M Charge 19C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 10.30 (μA)

Run Number: 6527 | I_{beam}: 9.5 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): 14:23 | Stop time (from RC): 14:55

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

hTRIG1 rate 2.28e6 | hTRIG3 rate 1713 | hTRIG4 rate 525 | hTRIG5 rate 970 | hTRIG6 rate 321

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 4/8 LH2

Events 926K Charge 16.6

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 10.59 (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 / 05 / 04 (yy / mm / dd) Initials: A. Hogh

Kinematics: KinC_x 36-4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +Θ 2.65 (From GUI) θ(TV): 24.78 (Nearest 0.005)

SHMS θ(TV): 26.40 (Nearest 0.005)

NPS θ = SHMS −16.30° 10.1 (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	1.83 mm (Nomin:)	0.26 mm (Nomin:)
3H07C	X	Y
	0.69 mm (Nomin:)	0.30 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: 6528 | I_{beam}: 11 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): 14:58 | Stop time (from RC): 15:33

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

hTRIG1 rate 2.08e6 | hTRIG3 rate 1929 | hTRIG4 rate 570 | hTRIG5 rate 124 | hTRIG6 rate 40

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5/8 LH2

Events 1.1M | Charge 20.C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 11.57 (μA)

Run Number: 6529 | I_{beam}: 11 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): 15:34 | Stop time (from RC): 16:04

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

hTRIG1 rate 2.06x10^6 | hTRIG3 rate 1990 | hTRIG4 rate 588 | hTRIG5 rate 977 | hTRIG6 rate 333

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6/8 LH2

Events 1M | Charge 18.8C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 11.93 (μA)

Run Number: 6530 | I_{beam}: 11 μA

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

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

Start time (from RC): 16:05 | Stop time (from RC): 16:36

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

hTRIG1 rate 2.05x10^6 | hTRIG3 rate 2002 | hTRIG4 rate 608 | hTRIG5 rate 970 | hTRIG6 rate 311

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7/8 LH2

Events 990 K | Charge 18.1C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 % | Max NPS anode current (single crystal) 12.23 (μA)

Run Number: 6531 | I_{beam}: 11 μA

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

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

Start time (from RC): 16:37 | Stop time (from RC): 17:07

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

hTRIG1 rate 2.07x10^6 | hTRIG3 rate 1348 | hTRIG4 rate 601 | hTRIG5 rate 973 | hTRIG6 rate 307

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8/8 LH2

Events 1.1M | Charge 19.7C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 12.24 (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 05 04 (yy mm dd) Initials: H. M.

Kinematics: KinC_x36_4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X (Nomin:)	3H07A Y (Nomin:)
1.80 mm	0.31 mm
3H07C X (Nomin:)	3H07C Y (Nomin:)
0.70 mm	0.28 mm

HMS: p: +/- 2.562 (From GUI) θ(TV): 24.78 (Nearest 0.005)

SHMS: θ(TV): 26.40 (Nearest 0.005)

NPS: θ = SHMS 10.1 −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: 6532 | I_{beam}: 9 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): 17:08 | Stop time (from RC): 17:30

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

hTRIG1 rate: 2.36x10^6 | hTRIG3 rate: 1536 | hTRIG4 rate: 487 | hTRIG5 rate: 931 | hTRIG6 rate: 305

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 9 μA, LH2

Events: 568K | Charge: 10 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 8.05 (μA)

Run Number: 6533 | 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): 17:32 | Stop time (from RC): 18:02

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

hTRIG1 rate: 1.44x10^6 | hTRIG3 rate: 1035 | hTRIG4 rate: 336 | hTRIG5 rate: 391 | hTRIG6 rate: 147

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6 μA, LH_2

Events: 543K | Charge: 9 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 6.89 (μA)

Run Number: 6534 | 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: 2 PS5: 1 PS6: 1

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

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

hTRIG1 rate: 2.09x10^6 | hTRIG3 rate: 1921 | hTRIG4 rate: 604 | hTRIG5 rate: 949 | hTRIG6 rate: 304

☐ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: coin, LH_2, 11 μA

Events: 159K | Charge: 3.6 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 11.75 (μA)

Run Number: 6536 | 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): 18:34 | Stop time (from RC): 19:04

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

hTRIG1 rate: 2.04x10^6 | hTRIG3 rate: 1278 | hTRIG4 rate: 342 | hTRIG5 rate: 587 | hTRIG6 rate: 172

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Dummy, ended beam off 50% mark

Events: 380K | Charge: 5.9 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.90% | Max NPS anode current (single crystal): 11.02 (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 / 05 / 04 (yy / mm / dd) Initials: H. M.

Kinematics: KinC_x36_4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A	X	Y
	1.80 mm	0.31 mm
Nomin:		

3H07C	X	Y
	0.63 mm	0.31 mm
Nomin:		

HMS

p: +2.562 From GUI θ(TV): 24.78 Nearest 0.005

SHMS

θ(TV): 26.40 Nearest 0.005

NPS

θ = SHMS −16.30° = 10.1 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: 6537

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): 19:08

Stop time (from RC): 19:44

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

hTRIG1 rate: 1.86x10^6 | hTRIG3 rate: 1295 | hTRIG4 rate: 351

hTRIG5 rate: 592 | hTRIG6 rate: 174

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Dummy

Events 722K Charge 12 C

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

Max NPS anode current (single crystal): 10.61 (μA)

Run Number: 6538

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): 19:45

Stop time (from RC): 20:20

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

hTRIG1 rate: 1.89x10^6 | hTRIG3 rate: 1301 | hTRIG4 rate: 331

hTRIG5 rate: 585 | hTRIG6 rate: 168

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Dummy

Events 712 Charge 11.3C

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

Max NPS anode current (single crystal): 10.15 (μA)

Run Number: 6539

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): 20:30

Stop time (from RC): 21:00

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

hTRIG1 rate: 2.5x10^6 | hTRIG3 rate: 3314 | hTRIG4 rate: 875

hTRIG5 rate: 2118 | hTRIG6 rate: 539

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/24 LD2

Events 1.4M Charge 9.9C

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

Max NPS anode current (single crystal): 9.75 (μA)

Run Number: 6540

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): 21:01

Stop time (from RC): 21:31

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

hTRIG1 rate: 2.49x10^6 | hTRIG3 rate: 3397 | hTRIG4 rate: 876

hTRIG5 rate: 2148 | hTRIG6 rate: 571

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/14 LD2

Events 1.5M Charge 10.5C

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

Max NPS anode current (single crystal): 9.73 (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 / 05 / 04 (yy / mm / dd) **Initials:** H.M.

Kinematics: KinC_x36_4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- 2.562 From GUI θ(TV): 24.78 Nearest 0.005

SHMS θ(TV): 26.40 Nearest 0.005

NPS θ = SHMS 10.1 −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:

	X	Y
3H07A	1.79 mm Nomin:	0.30 mm Nomin:
3H07C	0.70 mm Nomin:	0.32 mm Nomin:

Run Number: 6541 | 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): 21:32 | Stop time (from RC): 22:02

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

hTRIG1 rate 2.5x10^6 | hTRIG3 rate 3319 | hTRIG4 rate 861 | hTRIG5 rate 2093 | hTRIG6 rate 555

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/14 LD2

Events 1.44 M | Charge 8.8 C | Active trigger LiveTime fraction (NPS Scaler Gui) 98.9% | Max NPS anode current (single crystal) 9.50 (μA)

Run Number: 6542 | 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): 22:03 | Stop time (from RC): 22:33

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

hTRIG1 rate 2.51x10^6 | hTRIG3 rate 3373 | hTRIG4 rate 870 | hTRIG5 rate 2110 | hTRIG6 rate 564

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4/14 LD2

Events 1.48 M | Charge 10.2 C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 9.46 (μA)

Run Number: 6543 | 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): 22:34 | Stop time (from RC): 23:05

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

hTRIG1 rate 2.50x10^6 | hTRIG3 rate 3314 | hTRIG4 rate 855 | hTRIG5 rate 2092 | hTRIG6 rate 592

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5/14 LD2

Events 1.4 M | Charge 9.5 C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 9.60 (μA)

Run Number: 6544 | 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): 23:06 | Stop time (from RC): 23:36

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

hTRIG1 rate 2.51x10^6 | hTRIG3 rate 3300 | hTRIG4 rate 852 | hTRIG5 rate 2118 | hTRIG6 rate 545

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6/14 LD2

Events 1.5 M | Charge 10 C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | 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: 24/05/04 (yy/mm/dd) Initials: BV

Kinematics: KinC_x 36.4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

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

HMS
p: +/- 2.562 (From GUI) θ(TV): 24.78 (Nearest 0.005)

SHMS
θ(TV): 26.40 (Nearest 0.005)

NPS
θ = SHMS −16.30° = 10.1 (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: 6545 | 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): 23:37 | Stop time (from RC): 00:07

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

hTRIG1 rate: 2.51e+06 | hTRIG3 rate: 3320.3 | hTRIG4 rate: 840.

hTRIG5 rate: 2130. | hTRIG6 rate: 554

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7/14 LD2

Events 1.3M | Charge 9.13mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 9.56 (μA)

Run Number: 6546 | 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): 00:08 | Stop time (from RC): 00:39

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

hTRIG1 rate: 2.50e+06 | hTRIG3 rate: 3331.6 | hTRIG4 rate: 870.9

hTRIG5 rate: 2121.0 | hTRIG6 rate: 580.7

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8/14 LD2

Events 1.5M | Charge 10.3mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 9.21 (μA)

Run Number: 6547 | 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): 00:40 | Stop time (from RC): 01:10

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

hTRIG1 rate: 2.51e+06 | hTRIG3 rate: 3294.5 | hTRIG4 rate: 8492

hTRIG5 rate: 2117.6 | hTRIG6 rate: 574.2

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 9/14 LD2

Events 1.5M | Charge 10.3mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 9.78 (μA)

Run Number: 6548 | 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): 01:11 | Stop time (from RC): 01:41

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

hTRIG1 rate: | hTRIG3 rate: | hTRIG4 rate:

hTRIG5 rate: | hTRIG6 rate:

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 10/14 LD2

Events 1.4M | Charge 9.44mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.5% | 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: 24/05/05 (yy/mm/dd) Initials: BrV

Kinematics: KinC_x 36-4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- 2.562 (From GUI) θ(TV): 24.78 (Nearest 0.005)

SHMS θ(TV): 26.40 (Nearest 0.005)

NPS θ = SHMS −16.30° 10.1 (Nearest 0.005)

Beam position and angle on target:

3H07A	X: 1.85 mm Nomin:	Y: 0.3 mm Nomin:
3H07C	X: 0.75 mm Nomin:	Y: 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: 6549 | I_{beam}: 6 μA | LH2 10cm ☐ | LD2 10cm ☐ | Dummy 10cm ☐ | Optics#1 8cm ☐ | C 0.5% rl ☐ | PS1: ___ PS2: ___ PS3: ___ PS4: ___ PS5: ___ PS6: ___ | Start time (from RC): ___ | Stop time (from RC): ___ | Settings Verified? ☐ | HV OK? ☐ | 50k OK? ☐ | hTRIG1 rate ___ | hTRIG3 rate ___ | hTRIG4 rate ___ | hTRIG5 rate ___ | hTRIG6 rate ___ | Data ok ☐ | Junk ☒

coin_sparse ☐ coin ☐ coin_sparse_low ☐ | Comments: ___ | Events ___ Charge ___ C | Active trigger LiveTime fraction (NPS Scaler Gui) ___ | Max NPS anode current (single crystal) ___ (μA)

Run Number: 6550 | I_{beam}: 6 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): ___ | 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: 11/14 LD2 | Events ___ Charge ___ C | Active trigger LiveTime fraction (NPS Scaler Gui) ___ | Max NPS anode current (single crystal) ___ (μA)

Run Number: 6551 | I_{beam}: 6 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): 05:30 | 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: 6552 | I_{beam}: 6 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): 05:36 | Stop time (from RC): 06:06 | Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑ | hTRIG1 rate 2.49e+06 | hTRIG3 rate 3413.4 | hTRIG4 rate 899.0 | hTRIG5 rate 2097.8 | hTRIG6 rate 560.5 | Data ok ☑ | Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐ | Comments: 11/14 LD2 | Events 1.49M Charge 10.1 C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9 % | Max NPS anode current (single crystal) 10.01 (μA)

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*Rad issue in the hall, beam stopped/tripped for all halls, then remained down for Hall C while RadCon investigated. 6549, 6550 runs happened during this (junk)

Downtime: ~4h.

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

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

Use a separate sheet for each configuration.

Date: 24 / 05 / 05 (yy / mm / dd) Initials: GrV

Kinematics: KinC_x 36_4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.85 mm (Nomin:)	0.3 mm (Nomin:)
3H07C	0.75 mm (Nomin:)	0.3 mm (Nomin:)

HMS

p: +/- 2.562 (From GUI) θ(TV): 24.78 (Nearest 0.005)

SHMS

θ(TV): 26.40 (Nearest 0.005)

NPS

θ = SHMS −16.30° 10.1 (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: 6553 | 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): 06:07 | Stop time (from RC): 06:38

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

hTRIG1 rate: 2.49e+06 | hTRIG3 rate: 3328.0 | hTRIG4 rate: 882.6 | hTRIG5 rate: 2134.8 | hTRIG6 rate: 549.7

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 12/14 LD2

Events 1.49 M | Charge 10.2 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 % | Max NPS anode current (single crystal): 9.84 (μA)

Run Number: 6554 | 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): 06:39 | Stop time (from RC): 07:09

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

hTRIG1 rate: 2.49e+06 | hTRIG3 rate: 3340.2 | hTRIG4 rate: 865.9 | hTRIG5 rate: 2167.1 | hTRIG6 rate: 570.6

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 13/14 LD2

Events 1.41 M | Charge 9.83 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 % | Max NPS anode current (single crystal): 9.82 (μA)

Run Number: 6555 | 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): 07:10 | Stop time (from RC): 07:40

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

hTRIG1 rate: 2.50e+06 | hTRIG3 rate: 3345.0 | hTRIG4 rate: 857.0 | hTRIG5 rate: 2123.1 | hTRIG6 rate: 558.2

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 14/14 LD2

Events 1.49 M | Charge 10.4 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 % | Max NPS anode current (single crystal): 9.68 (μA)

Run Number: 6556 | 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): 07:42 | Stop time (from RC): 08:15

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

hTRIG1 rate: 2.13e+06 | hTRIG3 rate: 2277.3 | hTRIG4 rate: 620.1 | hTRIG5 rate: 1189.9 | hTRIG6 rate: 324.3

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/1 LD2 @ 4 μA

Events 1.01 M | Charge 6.8 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 % | Max NPS anode current (single crystal): 6.24 (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: 24/05/05 (yy/mm/dd) Initials: I.H.

Kinematics: KinC_x 36.4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.45 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.779 mm (Nomin:)	0.221 mm (Nomin:)
3H07C	0.665 mm (Nomin:)	0.268 mm (Nomin:)

HMS: p: +02.562 (From GUI) θ(TV): 24.78 (Nearest 0.005)

SHMS: θ(TV): 26.4 (Nearest 0.005)

NPS: θ = SHMS −16.30° 10.1 (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: 6557 | 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: -1

Start time (from RC): 08:21 | Stop time (from RC): 08:37

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

hTRIG1 rate: 2.49×10^6 | hTRIG3 rate: 3366.6 | hTRIG4 rate: 882.2 | hTRIG5 rate: 2187.0 | hTRIG6 rate: 584.0

☐ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments: 1/1, LD2

Events 413 K | Charge 5.62 mC

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

Max NPS anode current (single crystal): 10.07 (μA)

Run Number: 6559 | 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): 08:57 | Stop time (from RC): 09:28

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

hTRIG1 rate: 2.07×10^6 | hTRIG3 rate: 1900.9 | hTRIG4 rate: 581.6 | hTRIG5 rate: 977.5 | hTRIG6 rate: 309.7

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/8, LH2

Events 926 K | Charge 16.6 mC

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

Max NPS anode current (single crystal): 11.78 (μA)

6560 – Conda crashed

Run Number: 6561 | 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): 09:37 | Stop time (from RC): 10:07

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

hTRIG1 rate: 2.05×10^6 | hTRIG3 rate: 1929 | hTRIG4 rate: 614.6 | hTRIG5 rate: 961.1 | hTRIG6 rate: 310.4

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/8, LH2

Events 963 K | Charge 17.2 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.98%

Max NPS anode current (single crystal): 12.01 (μA)

Run Number: 6562 | 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): 10:17 | Stop time (from RC): 10:47

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

hTRIG1 rate: 2.06×10^6 | hTRIG3 rate: 1976.8 | hTRIG4 rate: 602.2 | hTRIG5 rate: 990.1 | hTRIG6 rate: 314.1

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/8, LH2

Events 977 K | Charge 17.4 mC

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

Max NPS anode current (single crystal): 12.09 (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 / 05 / 05 (yy / mm / dd) Initials: ____

Kinematics: KinC_x 36-4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.45 GeV

Raster: ☑ On ☐ Off Size: 2X2

Beam position and angle on target:

	X	Y
3H07A	1.791 mm (Nomin:)	0.310 mm (Nomin:)
3H07C	0.694 mm (Nomin:)	0.304 mm (Nomin:)

HMS p: +2.562 From GUI; θ(TV): 24.78 Nearest 0.005

SHMS θ(TV): 26.4 Nearest 0.005

NPS θ = SHMS −16.30° = 10.1 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: 6563 | 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): ____ 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, Coda Junk

Events ____ Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): ____

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

Run Number: 6566 | 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): 11:12 Stop time (from RC): 11:42

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

hTRIG1 rate 2.08x10^6 hTRIG3 rate 1925.5 hTRIG4 rate 584.1

hTRIG5 rate 965.5 hTRIG6 rate 313.6

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 4/8, LH2

Events 919 K Charge 16.4 mC

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

Max NPS anode current (single crystal): 12.44 (μA)

Run Number: 6567 | 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): 11:43 Stop time (from RC): 12:16

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

hTRIG1 rate 2.06x10^6 hTRIG3 rate 1949.1 hTRIG4 rate 599.1

hTRIG5 rate 974.2 hTRIG6 rate 316.5

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 5/8, LH2

Events 1.05 M Charge 19.05 mC

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

Max NPS anode current (single crystal): 11.59 (μA)

Run Number: 6568 | 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): 12:18 Stop time (from RC): 12:48

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

hTRIG1 rate 2.04x10^6 hTRIG3 rate 1976.7 hTRIG4 rate 606.9

hTRIG5 rate 981.2 hTRIG6 rate 309.4

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 6/8, LH2

Events 908 K Charge 16.05 mC

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

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

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

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

Use a separate sheet for each configuration.

Date: 24 / 05 / 05 (yy / mm / dd) **Initials:** T.H.

Kinematics: KinC_x 36.4

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.45 GeV

Raster: ☒ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.799 mm (Nomin:)	0.290 mm (Nomin:)
3H07C	0697 mm (Nomin:)	0.297 mm (Nomin:)

HMS p: +/- 2.562 (From GUI) θ(TV): 24.78 (Nearest 0.005)

SHMS θ(TV): 26.4 (Nearest 0.005)

NPS θ = SHMS −16.30° = 10.1 (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: 6569 | 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): 12:53 Stop time (from RC): 13:28

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

hTRIG1 rate: 1.56×10^6 | hTRIG3 rate: 1083.3 | hTRIG4 rate: 337.3 | hTRIG5 rate: 406.6 | hTRIG6 rate: 164.3

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/1 LH2, 6μA

Events 663 K Charge 11.4 mC

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

Max NPS anode current (single crystal): 6.89 (μA)

Run Number: 6570 | 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): 14:36 Stop time (from RC): 15:10

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

hTRIG1 rate: 1.90×10^6 | hTRIG3 rate: 4335.0 | hTRIG4 rate: 788.3 | hTRIG5 rate: 1743.7 | hTRIG6 rate: 337.9

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Dummy target, kinematics change

Events 1.22M Charge 9.06 mC

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

Max NPS anode current (single crystal): 9.77 (μA)

→ **Run Number:** 6571 | 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): 15:17 Stop time (from RC): 15:48

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

hTRIG1 rate: 2.01×10^6 | hTRIG3 rate: 7479.8 | hTRIG4 rate: 1446.4 | hTRIG5 rate: 3589.1 | hTRIG6 rate: 717.5

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/5, LH2

Events 2.49M Charge 19.2 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.89%

Max NPS anode current (single crystal): 12.57 (μA)

Run Number: 6572 | 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): 15:50 Stop time (from RC): 16:23

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

hTRIG1 rate: 2.07×10^6 | hTRIG3 rate: 7382.3 | hTRIG4 rate: 1384.3 | hTRIG5 rate: 3618.3 | hTRIG6 rate: 687.2

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/5, LH2

Events 2.2M Charge 16.7 mC

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

Max NPS anode current (single crystal): 12.20 (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 / 05 / 05 (yy / mm / dd) Initials: MJ

Kinematics: KinC_x 25.3

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2 x 2

HMS p: +/- 2.131 (From GUI) θ(TV): 23.695 (Nearest 0.005)

SHMS θ(TV): 26.400 (Nearest 0.005)

NPS θ = SHMS −16.30° 10.100 (Nearest 0.005)

Beam position and angle on target:

3H07A	X: 1.827 mm (Nomin:)	Y: 0.288 mm (Nomin:)	
3H07C	X: 0.699 mm (Nomin:)	Y: 0.316 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: 6573 | 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): 16:24 | Stop time (from RC): 16:56

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

hTRIG1 rate: 2.0×10^6 | hTRIG3 rate: 7572.2 | hTRIG4 rate: 1422.2 | hTRIG5 rate: 3629.0 | hTRIG6 rate: 699.3

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: #3/5

Events 2.2M | Charge 16.8 mC

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

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

Run Number: 6574 | 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): 16:57 | Stop time (from RC): 17:30

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

hTRIG1 rate: 2.0×10^6 | hTRIG3 rate: 7640.1 | hTRIG4 rate: 1453.4 | hTRIG5 rate: 3666.9 | hTRIG6 rate: 707.7

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: #4/5

Events 2.3M | Charge 17.5 mC

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

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

Run Number: 6575 | 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): 17:30 | Stop time (from RC): 18:02

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

hTRIG1 rate: 2.0×10^6 | hTRIG3 rate: 7400.0 | hTRIG4 rate: 1353.4 | hTRIG5 rate: 3643.9 | hTRIG6 rate: 705.6

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: #5/5

Events 2.3M | Charge 17.8 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 98.9 %

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

Run Number: 6576 | I_{beam}: 9 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): 18:03 | Stop time (from RC): 18:24

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

hTRIG1 rate: 2.3×10^6 | hTRIG3 rate: 6197.5 | hTRIG4 rate: 1169.3 | hTRIG5 rate: 3537.1 | hTRIG6 rate: 663.7

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: #1/1

Events 1.3M | Charge 10 mC

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

Max NPS anode current (single crystal): ~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 / 05 / 05 (yy / mm / dd) Initials: MJ

Kinematics: KinC_x 25_3

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- 2.131 (From GUI) θ(TV): 23.695 (Nearest 0.005)

SHMS θ(TV): 26.400 (Nearest 0.005)

NPS θ = SHMS −16.30° = 10.100 (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	1.812 mm	0.310 mm
Nomin:		Nomin:
3H07C	X	Y
	0.691 mm	0.306 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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Run Number: 6577 | 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): 18:26 | Stop time (from RC): 19:00

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

hTRIG1 rate: 1.5 x10^6 | hTRIG3 rate: 4148.1 | hTRIG4 rate: 805.9 | hTRIG5 rate: 1451.1 | hTRIG6 rate: 289.1

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: #1/1

Events 1.3M | Charge 9.7 mC | Active trigger LiveTime fraction (NPS Scaler Gui): ~100% | Max NPS anode current (single crystal): ~6-8 (μA)

Run Number: 6578 | 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: 2 PS5: -1 PS6: -1

Start time (from RC): 19:03 | Stop time (from RC): 19:22

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

hTRIG1 rate: 2.0x10^6 | hTRIG3 rate: 7468.6 | hTRIG4 rate: 1402.9 | hTRIG5 rate: 3582.3 | hTRIG6 rate: 684.1

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: #1/1 , COIN_config

Events 454k | Charge 10.2 mC | Active trigger LiveTime fraction (NPS Scaler Gui): ~99.9% | Max NPS anode current (single crystal): ~12.4 (μA)

Run Number: 6579 | I_{beam}: 11 μA

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

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

Start time (from RC): 19:25 | Stop time (from RC): 19:41

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

hTRIG1 rate: 2.0x10^6 | hTRIG3 rate: 7441.0 | hTRIG4 rate: 1395.0 | hTRIG5 rate: 3603.3 | hTRIG6 rate: 703.9

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: #1/1 , Coin-sparse config

Events 1.2M | Charge 9 mC | Active trigger LiveTime fraction (NPS Scaler Gui): ~100% | Max NPS anode current (single crystal): ~12 (μA)

Run Number: 6580 | 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): 19:47 | Stop time (from RC): 20:19

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

hTRIG1 rate: 1.8x10^6 | hTRIG3 rate: 4362.5 | hTRIG4 rate: 795.6 | hTRIG5 rate: 1871.0 | hTRIG6 rate: 361.4

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: #1/2 , target changed to Dummy10cm

Events 1.3M | Charge 9.8 mC | Active trigger LiveTime fraction (NPS Scaler Gui): ~99.9% | Max NPS anode current (single crystal): ~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: 24/05/05 (yy/mm/dd) Initials: MJ

Kinematics: KinC_x 25-3

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: ~~+~~ 2.131 From GUI θ(TV): 23.695 Nearest 0.005

SHMS θ(TV): 26.400 Nearest 0.005

NPS θ = SHMS −16.30° 10.100 Nearest 0.005

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.781 mm	0.316 mm	0.676 mm	0.344 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

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Run Number: 6581 | 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): 20:20 | Stop time (from RC): 20:52

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

hTRIG1 rate 1.8×10^6 | hTRIG3 rate 4384.7 | hTRIG4 rate 783.7 | hTRIG5 rate 1859.6 | hTRIG6 rate 349.6

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: #2/2

Events 1.4M | Charge 10.5 mC | Active trigger LiveTime fraction (NPS Scaler Gui) ~99.9% | Max NPS anode current (single crystal) ~10 (μA)

Run Number: 6582 | 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): 21:01 | Stop time (from RC): 21:33

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

hTRIG1 rate 2.5×10^6 | hTRIG3 rate 12435.0 | hTRIG4 rate 2193.1 | hTRIG5 rate 7963.1 | hTRIG6 rate 1386.9

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: #1/10, Target changed to LD2

Events 3.8M | Charge 10.4 mC | Active trigger LiveTime fraction (NPS Scaler Gui) ~99.5% | Max NPS anode current (single crystal) ~10 (μA)

Run Number: 6583 | 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): 21:33 | Stop time (from RC): 22:04

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

hTRIG1 rate 2.5×10^6 | hTRIG3 rate 12702 | hTRIG4 rate 2179.2 | hTRIG5 rate 7957.3 | hTRIG6 rate 1424.9

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: #2/10

Events 3.8M | Charge 10.3 mC | Active trigger LiveTime fraction (NPS Scaler Gui) ~99.5% | Max NPS anode current (single crystal) ~10 (μA)

Run Number: 6584 | 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): 22:05 | Stop time (from RC): 22:38

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

hTRIG1 rate 2.5×10^6 | hTRIG3 rate 12346.5 | hTRIG4 rate 2082.6 | hTRIG5 rate 7620.0 | hTRIG6 rate 1372.8

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: #3/10

Events 3.8M | Charge 10.2 mC | Active trigger LiveTime fraction (NPS Scaler Gui) ~99.6% | Max NPS anode current (single crystal) ~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 / 05 / 05 (yy / mm / dd) Initials: MJ

Kinematics: KinC_x25-3

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +2.131 From GUI θ(TV): 23.695 Nearest 0.005

SHMS θ(TV): 26.400 Nearest 0.005

NPS θ = SHMS −16.30° 10.100 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	Y	3H07C X	Y
1.789 mm	0.298 mm	0.709 mm	0.301 mm
Nomin:	Nomin:	Nomin:	Nomin:

Run Number: 6585 | 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): 22:39 | Stop time (from RC): 23:09 | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK? | hTRIG1 rate 2.5×10^6 | hTRIG3 rate 12764.4 | hTRIG4 rate 2177.8 | hTRIG5 rate 7946.2 | hTRIG6 rate 1387.7 | ☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low | Comments: #4/10 | Events 3.8M | Charge 10.5 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.7% | Max NPS anode current (single crystal) ~10 (μA)

Run Number: 6586 | 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): 23:10 | Stop time (from RC): 23:41 | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK? | hTRIG1 rate 2.5×10^6 | hTRIG3 rate 12728.8 | hTRIG4 rate 2209.3 | hTRIG5 rate 8046.7 | hTRIG6 rate 1413.9 | ☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low | Comments: #5/10 | Events 3.8M | Charge 10.4 mC | Active trigger LiveTime fraction (NPS Scaler Gui) ~99.5% | Max NPS anode current (single crystal) ~10 (μA)

Run Number: 6587 | 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): 23:42 | Stop time (from RC): 00:13 | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK? | hTRIG1 rate 2.5×10^6 | hTRIG3 rate 12511.8 | hTRIG4 rate 2172.1 | hTRIG5 rate 7951.6 | hTRIG6 rate 1374.6 | ☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low | Comments: #6/10 | Events 3.56M | Charge 9.78 mC | Active trigger LiveTime fraction (NPS Scaler Gui) ~99.4% | Max NPS anode current (single crystal) ~10 (μA)

Run Number: 6588 | 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): 00:14 | Stop time (from RC): 00:45 | ☑ Settings Verified? ☑ HV OK? ☑ 50k OK? | hTRIG1 rate 2.50e+06 | hTRIG3 rate 12649.7 | hTRIG4 rate 2176.1 | hTRIG5 rate 7919.5 | hTRIG6 rate 1422.3 | ☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low | Comments: 7/10 HD2 | Events 3.70M | Charge 10.2 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.6% | Max NPS anode current (single crystal) 9.61 (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 / 06 (yy / mm / dd) Initials: BV

Kinematics: KinC_x 25_3

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +2.1310 (From GUI) θ(TV): 23.695 (Nearest 0.005)

SHMS θ(TV): 26.400 (Nearest 0.005)

NPS θ = SHMS −16.30°: 10.100 (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	1.804 mm	0.287 mm
Nomin:		Nomin:
3H07C	X	Y
	0.7019 mm	0.3020 mm
Nomin:		Nomin:

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468.0 Amp | NPS Upstream Corr. I = _____ Amp | NPS Upstream Corr. I = _____ Amp

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Run Number: 6589 | 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): 00:47 | Stop time (from RC): 01:17

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

hTRIG1 rate: 2.5e+06 | hTRIG3 rate: 12555.0 | hTRIG4 rate: 2193.8 | hTRIG5 rate: 7974.3 | hTRIG6 rate: 1373.4

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 8/10 LD2

Events 3.74 M | Charge 10.3 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.60%

Max NPS anode current (single crystal): 9.74 (μA)

Run Number: 6590 | 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): 01:18 | Stop time (from RC): 01:48

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

hTRIG1 rate: 2.50e+06 | hTRIG3 rate: 12781.7 | hTRIG4 rate: 2267.1 | hTRIG5 rate: 8009.4 | hTRIG6 rate: 1393.4

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 9/10 LD2 * lost beam last ~4 min

Events 2.93 M | Charge 8.0 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.39%

Max NPS anode current (single crystal): 9.62 (μA)

Run Number: 6591 | 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): 01:49 | Stop time (from RC):

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

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

☐ Data ok ☒ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 10/10 LD2 * beam downtime ~20 min

Events _____ | Charge _____ mC

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

~~**Run Number:**~~ | 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: 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: 1/1 LD2 @ 4 μA

Events _____ | Charge _____ 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 / 05 / 06 (yy / mm / dd) Initials: GV

Kinematics: KinC_x 25_3

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.79 mm (Nomin: 1.95)	0.297 mm (Nomin: 0.3)
3H07C	0.709 mm (Nomin: 0.75)	0.299 mm (Nomin: 0.3)

HMS p: +/- 2.1310 From GUI; θ(TV): 23.695 Nearest 0.005

SHMS θ(TV): 26.400 Nearest 0.005

NPS θ = SHMS −16.30°: 10.100 Nearest 0.005

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468.0 Amp | NPS Upstream Corr. I = ____ Amp | NPS Upstream Corr. I = ____ Amp

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Run Number: 6592 | 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): 02:11 | Stop time (from RC): 02:42

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

hTRIG1 rate: 2.50e+06 | hTRIG3 rate: 12400.0 | hTRIG4 rate: 2205.0 | hTRIG5 rate: 7462.4 | hTRIG6 rate: 1408.2

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 10/10 LD2

Events 3.65M | Charge 10.1 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.5 % | Max NPS anode current (single crystal) 9.64 (μA)

Run Number: 6593 | 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: 0 PS5: -1 PS6: -1

Start time (from RC): 02:44 | Stop time (from RC): 03:14

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

hTRIG1 rate: 2.05e+06 | hTRIG3 rate: 8363.4 | hTRIG4 rate: 1487.7 | hTRIG5 rate: 4007.8 | hTRIG6 rate: 714.8

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/1 LD2 @ 4 μA

Events 2.56M | Charge 7.03 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9 % | Max NPS anode current (single crystal) 6.52 (μA)

→ *

Run Number: 6594 | 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: 2 PS5: -1 PS6: -1

Start time (from RC): 03:44 | Stop time (from RC): _____

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

hTRIG1 rate: 2.51e+06 | hTRIG3 rate: 12436.7 | hTRIG4 rate: 2122.8 | hTRIG5 rate: 7871.6 | hTRIG6 rate: 1365.4

☐ Data ok ☒ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments: 1/1 LD2 (coin) * CODA crashed at the end of Run → will Redo

Events ? | Charge ____ mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100.0 % | Max NPS anode current (single crystal) ~~8.92~~ (9.61) (μA)

Run Number: 6595 | I_{beam}: 6 μA

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

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

Start time (from RC): 04:09 | Stop time (from RC): 04:24

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

hTRIG1 rate: 2.49e+06 | hTRIG3 rate: 12679.5 | hTRIG4 rate: 2252.5 | hTRIG5 rate: 7956.1 | hTRIG6 rate: 1394.1

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/1 LD2 (PS3 = 3)

Events 1.82M | Charge 4.13 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.4 % | Max NPS anode current (single crystal) 9.79 (μA)

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* After Run 6593 CODA crashed while trying to change configurations coin_sparse → coin

Run 6594 → junk // Runs 6595, 6596 stopped early because data rates were too high. → junk

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: 25 / 05 / 06 (yy / mm / dd) Initials: GV

Kinematics: KinC_x 25_3

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +10 2.1310 From GUI θ(TV): 23.695 Nearest 0.005

SHMS θ(TV): 26.400 Nearest 0.005

NPS θ = SHMS −16.30° 10.100 Nearest 0.005

Beam position and angle on target:

	X	Y
3H07A	1.79 mm (Nomin: 1.85)	0.314 mm (Nomin: 0.3)
3H07C	0.697 mm (Nomin: 0.75)	0.291 mm (Nomin: 0.3)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468.0 Amp | NPS Upstream Corr. I = _____ Amp | NPS Upstream Corr. I = _____ Amp

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Run Number: 6600 | 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: 2 PS5: -1 PS6: -1

Start time (from RC): 04:28 Stop time (from RC): 04:44

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

hTRIG1 rate ~~2.30e+06~~ 2.30e+06 | hTRIG3 rate 12437.6 | hTRIG4 rate 2173.1

hTRIG5 rate 7778.6 | hTRIG6 rate 1369.5

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments: 1/1 LD2 coin ps4=2 REDO

Events 624K Charge 5.05 mC

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

Max NPS anode current (single crystal): 9.90 (μA)

Run Number: 6601 | 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): 04:55 Stop time (from RC): 05:27

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

hTRIG1 rate 2.04e+06 | hTRIG3 rate 7510.1 | hTRIG4 rate 1416.8

hTRIG5 rate 3569.0 | hTRIG6 rate 698.2

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: cycle 2 screenshots 1/5 LH2 taken.

Events 2.36M Charge 17.8 mC

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

Max NPS anode current (single crystal): 12.4 (μA)

Run Number: 6602 | 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): 05:28 Stop time (from RC): _____

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

hTRIG1 rate 2.04e+06 | hTRIG3 rate 7552.8 | hTRIG4 rate 1424.0

hTRIG5 rate 3598.0 | hTRIG6 rate 690.5

☐ Data ok ☒ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/5 LH2 CODA crashed: NPS vtp-3 disconnected

* Rebooted all ROCs *

Events _____ Charge _____ mC

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

Max NPS anode current (single crystal): 12.2 (μA)

Run Number: 6603 | 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): 06:08 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: 2/5 LH2 Beam downtime: ~10 min

Events _____ Charge _____ 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 / 05 / 06 (yy / mm / dd) Initials: GV

Kinematics: KinC_x 25_3

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8456 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS
p: +Θ 2.1310 (From GUI) θ(TV): 23.695 (Nearest 0.005)

SHMS
θ(TV): 26.400 (Nearest 0.005)

NPS
θ = SHMS −16.30° 10.100 (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	1.81 mm	0.306 mm
Nomin:	1.85	0.3

3H07C	X	Y
	0.687 mm	0.319 mm
Nomin:	0.75	0.3

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 4684.0 Amp | NPS Upstream Corr. I = _____ Amp | NPS Upstream Corr. I = _____ Amp

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Run Number: 6604 | 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): 06:20 | Stop time (from RC): 06:50

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

hTRIG1 rate: 2.04e+06 | hTRIG3 rate: 7555.9 | hTRIG4 rate: 1450.6 | hTRIG5 rate: 3577.8 | hTRIG6 rate: 712.6

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/5 LH2

Events 2.31M | Charge 17.7mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 12.3 (μA)

Run Number: 6605 | 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): 06:52 | Stop time (from RC): 07:25

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

hTRIG1 rate: 2.04e+06 | hTRIG3 rate: 7462.6 | hTRIG4 rate: 1430.3 | hTRIG5 rate: 3554.6 | hTRIG6 rate: 706.3

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/5 LH2

Events 2.60M | Charge 19.9mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 12.01 (μA)

Run Number: 6606 | 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): 07:27 | Stop time (from RC): 07:57

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

hTRIG1 rate: 2.04e+06 | hTRIG3 rate: 7450.7 | hTRIG4 rate: 1418.3 | hTRIG5 rate: 3618.6 | hTRIG6 rate: 669.4

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4/5 LH2

Events 2.45M | Charge 18.3mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 12.00 (μA)

Run Number: 6607 | 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): 07:58 | Stop time (from RC): 08:28

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

hTRIG1 rate: 2.07x10^6 | hTRIG3 rate: 7410 | hTRIG4 rate: 1391 | hTRIG5 rate: 3633 | hTRIG6 rate: 731

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5/5 LH2

Events 2.1M | Charge 16mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | 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: 24/05/06 (yy/mm/dd) Initials: H.M.

Kinematics: KinC_x25_3

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: _____

Beam position and angle on target:

3H07A	X	Y
	1.80 mm	0.30 mm
Nomin:		

3H07C	X	Y
	0.70 mm	0.30 mm
Nomin:		

HMS p: +/- 2.131 From GUI θ(TV): 23.70 Nearest 0.005

SHMS θ(TV): 26.40 Nearest 0.005

NPS θ = SHMS −16.30° = 10.1 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: 6608 | 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): 08:31 | Stop time (from RC): 09:01

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

hTRIG1 rate 1.49×10^6 | hTRIG3 rate 4096 | hTRIG4 rate 810 | hTRIG5 rate 1419 | hTRIG6 rate 310

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 6 μA, LH_2

Events 1.3M | Charge 9.8 C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9 % | Max NPS anode current (single crystal) 6.93 (μA)

Run Number: 6609 | 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): 10:16 | Stop time (from RC): 10:47

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

hTRIG1 rate 2.02×10^6 | hTRIG3 rate 7510 | hTRIG4 rate 1448 | hTRIG5 rate 3594 | hTRIG6 rate 700

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 11 μA, Loop3 at 35 PSI

Events 2.3M | Charge 17.6 C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.3 % | Max NPS anode current (single crystal) 12.44 (μA)

Run Number: 6610 | 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): 10:48 | Stop time (from RC): 11:19

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

hTRIG1 rate 1.62×10^6 | hTRIG3 rate 4334 | hTRIG4 rate 810 | hTRIG5 rate 1629 | hTRIG6 rate 318

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 6 μA, Loop3 35PSI

Events 1.37M | Charge 10 C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 % | Max NPS anode current (single crystal) 6.48 (μA)

Run Number: 6611 | I_{beam}: 9 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): 11:20 | Stop time (from RC): 11:40

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

hTRIG1 rate 2.27×10^6 | hTRIG3 rate 6455 | hTRIG4 rate 1236 | hTRIG5 rate 3470 | hTRIG6 rate 704

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 9 μA, Loop3 LH2

Events 2.3M | Charge 9.5C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9 % | Max NPS anode current (single crystal) 10.45 (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: 24/05/06 (yy/mm/dd) Initials: H.M.

Kinematics: KinC_x25_3

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- 2.131 (From GUI) θ(TV): 23.70 (Nearest 0.005)

SHMS θ(TV): 26.40 (Nearest 0.005)

NPS θ = SHMS −16.30° 10.1 (Nearest 0.005)

Beam position and angle on target:

3H07A X	3H07A Y
1.80 mm Nomin:	0.35 mm Nomin:
3H07C X	3H07C Y
0.70 mm Nomin:	0.30 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: 6612 | 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~~ 2 PS5: -1 PS6: -1

Start time (from RC): 11:43 | Stop time (from RC): 11:58

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

hTRIG1 rate: 2.02×10^6 | hTRIG3 rate: 7788 | hTRIG4 rate: 1451 | hTRIG5 rate: 3660 | hTRIG6 rate: 716

Data ok ☑ Junk ☐

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments: 11μA, coin, PS4 = ~~0~~ 2 was 2 but not in run Summary

Events _____ Charge 8 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 12.01 (μA)

Run Number: 6613 | 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): 12:05 | Stop time (from RC): 12:35

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

hTRIG1 rate: 2.17×10^6 | hTRIG3 rate: 4270 | hTRIG4 rate: 786 | hTRIG5 rate: 1849 | hTRIG6 rate: 348

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 6μA, Dummy

Events 907 Charge 6.6 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 10.25 (μA)

Run Number: 6614 | 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): 12:54 | Stop time (from RC): 13:13

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

hTRIG1 rate: 1.8×10^6 | hTRIG3 rate: 4333 | hTRIG4 rate: 776 | hTRIG5 rate: | hTRIG6 rate:

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 6μA, Dummy ~50% run second half with beam off

Events 402K Charge 2.7C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 10.81 (μA)

Run Number: 6615 | 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): 13:19 | Stop time (from RC): 13:34

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

hTRIG1 rate: 1.85×10^6 | hTRIG3 rate: 4362 | hTRIG4 rate: 768 | hTRIG5 rate: 1817 | hTRIG6 rate: 350

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 6μA Dummy ended run. No beam

Events 260K Charge 1.8C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 10.50 (μA)

p(e,e'γ) p Run Sheet

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

Use a separate sheet for each configuration.

Date: 24/05/06 (yy/mm/dd) Initials: H,M

Kinematics: KinC_x25-3

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- 2.131 (From GUI) θ(TV): 23.70 (Nearest 0.005)

SHMS θ(TV): 26.40 (Nearest 0.005)

NPS θ = SHMS −16.30° 10.1 (Nearest 0.005)

Beam position and angle on target:

	X	Y
3H07A	1.78 mm (Nomin:)	0.28 mm (Nomin:)
3H07C	0.70 mm (Nomin:)	0.30 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: 6616 | 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): 13:50 | Stop time (from RC): 14:20

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

hTRIG1 rate 2.5x10^6 | hTRIG3 rate 12289 | hTRIG4 rate 2105 | hTRIG5 rate 7758 | hTRIG6 rate 1359

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/10 LD2

Events 2.4M | Charge 6.8C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.6 | Max NPS anode current (single crystal) 9.13 (μA)

Run Number: 6617 | 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): 14:23 | Stop time (from RC): 14:57

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

hTRIG1 rate 2.49x10^6 | hTRIG3 rate 12328 | hTRIG4 rate 2149 | hTRIG5 rate 7807 | hTRIG6 rate 1380

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/10 LD2

Events 3.3M | Charge 9.3C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.6% | Max NPS anode current (single crystal) 9.55 (μA)

Run Number: 6618 | 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): 14:58 | Stop time (from RC): 15:32

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

hTRIG1 rate 2.49x10^6 | hTRIG3 rate 12554 | hTRIG4 rate 2150 | hTRIG5 rate 7962 | hTRIG6 rate 1379

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/10 LD2

Events 3.9M | Charge 10.8C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.3% | Max NPS anode current (single crystal) 9.75 (μA)

Run Number: 6619 | 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): 15:33 | Stop time (from RC): 16:04

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

hTRIG1 rate 2.51x10^6 | hTRIG3 rate 12653 | hTRIG4 rate 2200 | hTRIG5 rate 7897 | hTRIG6 rate 1373

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4/10 LD2

Events 2.5M | Charge 9.9mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.6 | Max NPS anode current (single crystal) 9.27 (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 / 06 (yy / mm / dd) Initials: KMM

Kinematics: KinC_x25_3

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 5.457 GeV

Raster: ☑ On ☐ Off Size: 2 x 2

Beam position and angle on target:

	X	Y
3H07A	1.85 mm (Nomin:)	0.3 mm (Nomin:)
3H07C	0.75 mm (Nomin:)	0.3 mm (Nomin:)

HMS p: +/- 2.0131 (From GUI) θ(TV): 23.70 (Nearest 0.005)

SHMS θ(TV): 26.4 (Nearest 0.005)

NPS θ = SHMS −16.30° = 10.1 (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: 6620 | I_{beam}: 6 μA

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

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

Start time (from RC): 16:05 | Stop time (from RC): 16:35

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

hTRIG1 rate: 2.51 e6 | hTRIG3 rate: 11.4K | hTRIG4 rate: 1.9K | hTRIG5 rate: 7.5K | hTRIG6 rate: 1.3K

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5/10 LD_2

Events 3.11M | Charge 8.7 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 9.68 (μA)

Run Number: 6621 | I_{beam}: 6 μA

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

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

Start time (from RC): 16:36 | Stop time (from RC): 17:06

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

hTRIG1 rate: 2.52e6 | hTRIG3 rate: 11.9K | hTRIG4 rate: 2.2K | hTRIG5 rate: 7.8K | hTRIG6 rate: 1.4K

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6/10 LD_2

Events 3.27M | Charge 9.1 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 9.5 (μA)

Run Number: 6622 | I_{beam}: 6 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): 17:07 | Stop time (from RC): 17:41

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

hTRIG1 rate: 2.5 e6 | hTRIG3 rate: 12.5K | hTRIG4 rate: 2.1K | hTRIG5 rate: 7.8K | hTRIG6 rate: 1.4K

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7/10 LD_2

Events 3.53M | Charge 9.9 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 9.56 (μA)

Run Number: 6623 | I_{beam}: 6 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): 17:42 | Stop time (from RC): 18:13

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

hTRIG1 rate: 2.0 e6 | hTRIG3 rate: 12.4K | hTRIG4 rate: 2.1K | hTRIG5 rate: 7.7K | hTRIG6 rate: 1.4K

☑ Data ok ☐ Junk

☑ coin_sparse ☐ in ☐ coin_sparse_low

Comments: 8/10 LD_2

Events 3.7M | Charge 10.4 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 9.6 (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 / 06 (yy / mm / dd) Initials: RMM

Kinematics: KinC_x 25_3

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

3H07A	X	Y
	1.85 mm	0.3 mm
Nomin:		

3H07C	X	Y
	0.75 mm	0.3 mm
Nomin:		

HMS p: +/- 2.131 From GUI θ(TV): 23.7 Nearest 0.005

SHMS θ(TV): 26.4 Nearest 0.005

NPS θ = SHMS −16.30° 10.1 Nearest 0.005

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

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Run Number: 6624

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: 40 PS5: -1 PS6: -1

Start time (from RC): 18:14

Stop time (from RC): 18:39

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

hTRIG1 rate 2.5 e6 | hTRIG3 rate 12.5 K | hTRIG4 rate 2.2 K

hTRIG5 rate 7.9 K | hTRIG6 rate 1.4 K

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 9/10 LD_2

Events 2.03 M Charge 5.6 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 100 %

Max NPS anode current (single crystal) 9.53 (μA)

Run Number: 6625

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): 18:57

Stop time (from RC): 19:40

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

hTRIG1 rate 2.47e6 | hTRIG3 rate 12.8K | hTRIG4 rate 2.2K

hTRIG5 rate 7.8K | hTRIG6 rate 1.4K

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 10/10 LD_2

Events 4.45 M Charge 12.4 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 100 %

Max NPS anode current (single crystal) 9.88 (μA)

Run Number: 6626

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): 19:42

Stop time (from RC): 20:12

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

hTRIG1 rate 2.08e6 | hTRIG3 rate 8.45K | hTRIG4 rate 1.48K

hTRIG5 rate 4.0K | hTRIG6 rate 732

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments:

Events 1.35 M Charge 3.6 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 10 %

Max NPS anode current (single crystal) 6.62 (μA)

↳ 6627 → junk, beam down

Run Number: 6628

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: 2 PS5: -1 PS6: -1

Start time (from RC): 21:05

Stop time (from RC): 21:38

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

hTRIG1 rate 2.5e6 | hTRIG3 rate 12.7K | hTRIG4 rate 2.2K

hTRIG5 rate 7.9K | hTRIG6 rate 1.4K

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments:

Events 690K Charge 5.6 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 10 %

Max NPS anode current (single crystal) 10.0 (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 / 06 (yy / mm / dd) Initials: Rumy

Kinematics: KinC_x 25.3

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.457 GeV

Raster: ☑ On ☐ Off Size: 2x2 mm²

Beam position and angle on target:

	X	Y
3H07A	1.85 mm (Nomin:)	0.3 mm (Nomin:)
3H07C	0.75 mm (Nomin:)	0.3 mm (Nomin:)

HMS p: +/- 2.131 (From GUI) θ(TV): 23.7 (Nearest 0.005)

SHMS θ(TV): 26.4 (Nearest 0.005)

NPS θ = SHMS −16.30°: 10.1 (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: 6629 | 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): 22:14 | Stop time (from RC): 22:32

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

hTRIG1 rate: 2.0e6 | hTRIG3 rate: 7.91K | hTRIG4 rate: 1.4K | hTRIG5 rate: 3.7K | hTRIG6 rate: 693

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/5 LH2 15 min.

Events 1.18M | Charge 8.7 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 12.6 (μA)

Run Number: 6630 | 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): 01:35 | Stop time (from RC): 01:51

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

hTRIG1 rate: 2.22×10⁶ | hTRIG3 rate: 6593.6 | hTRIG4 rate: 1320.6 | hTRIG5 rate: 3455.5 | hTRIG6 rate: 683.9

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/5 LH2 15 MIN

Events 1.12M | Charge 9.9 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 10.66 (μA)

Run Number: 6631 | 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): 01:52 | Stop time (from RC): 02:23

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

hTRIG1 rate: 2.20×10⁶ | hTRIG3 rate: 6480.7 | hTRIG4 rate: 1217.9 | hTRIG5 rate: 3402.5 | hTRIG6 rate: 660.2

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/5 LH2 30 MIN

Events 2.1M | Charge 18.7 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.951% | Max NPS anode current (single crystal): 10.61 (μA)

Run Number: 6632 | 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): 02:24 | Stop time (from RC): 02:56

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

hTRIG1 rate: 2.21×10⁶ | hTRIG3 rate: 6499.3 | hTRIG4 rate: 1211.6 | hTRIG5 rate: 3418.0 | hTRIG6 rate: 672.2

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/5 LH2 30 MIN

Events 2.13M | Charge 18.62 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.971% | Max NPS anode current (single crystal): 10.70 (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: 24/05/07 (yy/mm/dd) Initials: J.C

Kinematics: KinC_x 25-3

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.545 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	Y
1.766 mm	0.307 mm
Nomin:	Nomin:
3H07C X	Y
0.695 mm	0.292 mm
Nomin:	Nomin:

HMS p: +2.131 (From GUI) θ(TV): 23.70 (Nearest 0.005)

SHMS θ(TV): 26.40 (Nearest 0.005)

NPS θ = SHMS −16.30° = 10.10 (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: 6633 | 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): 02:57 | Stop time (from RC): 03:30

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

hTRIG1 rate: 2.18x10^6 | hTRIG3 rate: 6635.9 | hTRIG4 rate: 1220.9 | hTRIG5 rate: 3378.1 | hTRIG6 rate: 671.1

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4/5 LH2, 30 MIN

Events 2 M | Charge 18 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.924% | Max NPS anode current (single crystal): 10.57 (μA)

Run Number: 6634 | I_{beam}: 9 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): 03:32 | Stop time (from RC): 03:55

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

hTRIG1 rate: 2.19x10^6 | hTRIG3 rate: 5306.0 | hTRIG4 rate: 959.2 | hTRIG5 rate: 2639.6 | hTRIG6 rate: 569.3

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: ONE 20-MIN, 9μA

Events 1.2 M | Charge 10.98 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.945% | Max NPS anode current (single crystal): 8.56 (μA)

Run Number: 6635 | 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): 03:56 | Stop time (from RC): 04:26

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

hTRIG1 rate: 1.21x10^6 | hTRIG3 rate: 3499.1 | hTRIG4 rate: 660.4 | hTRIG5 rate: 964.5 | hTRIG6 rate: 215.7

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: ONE 30-MIN LH2, 6μA

Events 1.1 M | Charge 9.6 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.970% | Max NPS anode current (single crystal): 5.74 (μA)

Run Number: 6636 | 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): 04:29 | Stop time (from RC): 05:01

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

hTRIG1 rate: 2.25x10^6 | hTRIG3 rate: 6395.9 | hTRIG4 rate: 1209.9 | hTRIG5 rate: 3174 | hTRIG6 rate: 667.2

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5/5 LH2, 30 MIN JUNK

Events 1 M | Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.864% | Max NPS anode current (single crystal): 10.71 (μA)

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

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

Use a separate sheet for each configuration.

Date: 24 / 05 / 07 (yy / mm / dd) Initials: J C

Kinematics: KinC_x_25-3

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8456 GeV

Raster: ☑ On ☐ Off Size: 2 x 2

Beam position and angle on target:

3H07A	X	Y
	1.806 mm	0.305 mm
Nomin:		

3H07C	X	Y
	0.682 mm	0.342 mm
Nomin:		

HMS

p: +(2) 2.131 From GUI θ(TV): 23.70 Nearest 0.005

SHMS

θ(TV): 26.40 Nearest 0.005

NPS

θ = SHMS −16.30° 10.10 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: 6637 | 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): 05:04 | Stop time (from RC): 05:06

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

hTRIG1 rate: 2.23x10^6 | hTRIG3 rate: 6645.1 | hTRIG4 rate: 1139.9 | hTRIG5 rate: 3347.6 | hTRIG6 rate: 668.0

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: ~~ONE 15-MIN, 11 μA~~ 5/5 LH2, 2 MIN

Events 138K | Charge 1.1 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 10.6 (μA)

Run Number: 6638 | 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): 05:16 | Stop time (from RC): 05:36

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

hTRIG1 rate: 2.25x10^6 | hTRIG3 rate: 6341.9 | hTRIG4 rate: 1167.3 | hTRIG5 rate: 3379.7 | hTRIG6 rate: ~~3446.0~~ 6911.3

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5/5 LH2, 26 MIN

Events 2M | Charge 16.1C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.462 | Max NPS anode current (single crystal): 10.78 (μA)

Run Number: 6640 | 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: 2 PS5: -1 PS6: -1

Start time (from RC): 05:51 | Stop time (from RC): 06:07

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

hTRIG1 rate: 2.23x10^6 | hTRIG3 rate: 6490.9 | hTRIG4 rate: 1249.6 | hTRIG5 rate: 3418.3 | hTRIG6 rate: 689.8

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: ONE 15-MIN, 11MA

Events 321K | Charge 8.52C^m | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 10.25 (μA)

Run Number: 6641 | 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): 06:15 | Stop time (from RC): 06:45

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

hTRIG1 rate: 1.76x10^6 | hTRIG3 rate: 4387.2 | hTRIG4 rate: 809.2 | hTRIG5 rate: 1836.4 | hTRIG6 rate: 355.4

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: DUMMY, 6MA

Events 1.6M | Charge 8.4C^m | Active trigger LiveTime fraction (NPS Scaler Gui): 98.580% | Max NPS anode current (single crystal): 10.61 (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 / 05 / 09 (yy / mm / dd) Initials: J.C

Kinematics: KinC_x 25_3

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6456 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A	X	Y
	1.606 mm	0.304 mm
Nomin:		
3H07C	X	Y
	0.689 mm	0.300 mm
Nomin:		

HMS

p: +[illegible]2.131 (From GUI) θ(TV): 23.70 (Nearest 0.005)

SHMS

θ(TV): 26.40 (Nearest 0.005)

NPS

θ = SHMS −16.30°: 10.10 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 466 Amp | NPS Upstream Corr. I = — Amp | NPS Upstream Corr. I = — Amp

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Run Number: 6642

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): 06:54

Stop time (from RC): 07:26

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

hTRIG1 rate: 1.65x10^6 hTRIG3 rate: 4395.3 hTRIG4 rate: 787.4

hTRIG5 rate: 1662.8 hTRIG6 rate: 353.4

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: DUMMY, 6MA

Events 1.3M Charge 10.13mC

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

Max NPS anode current (single crystal): 10.49 (μA)

Run Number: 6643

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): 07:43

Stop time (from RC): 08:15

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

hTRIG1 rate: 2.46x10^6 hTRIG3 rate: 12668.4 hTRIG4 rate: 2219.4

hTRIG5 rate: 6075.2 hTRIG6 rate: 1392.5

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/10 LD2, 30 MIN

Events 3.6M Charge ____C

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

Max NPS anode current (single crystal): 8.96 (μA)

Run Number: 6644

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): 08:17

Stop time (from RC): 08:48

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

hTRIG1 rate: 2.5e6 hTRIG3 rate: 12234 hTRIG4 rate: 2144

hTRIG5 rate: 7849 hTRIG6 rate: 1380

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/10 LD2, 30 min

Events 3.6M Charge ____C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 9.64 (μA)

Run Number: 6645

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): 08:49

Stop time (from RC): 09:20

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

hTRIG1 rate: 2.5e6 hTRIG3 rate: 12345 hTRIG4 rate: 2152

hTRIG5 rate: 7843 hTRIG6 rate: 1402

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/10 LD2, 30 min

Events 3.1M Charge ____C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 9.03 (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: 24/05/07 (yy/mm/dd) Initials: A. Hogh

Kinematics: KinC_x 25_3

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

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

HMS p: +2.131 From GUI θ(TV): 23.70 Nearest 0.005

SHMS θ(TV): 26.40 Nearest 0.005

NPS θ = SHMS −16.30° 10.10 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: 6646 | 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): 09:21 | Stop time (from RC): 09:52

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

hTRIG1 rate: 2.48e6 | hTRIG3 rate: 12788 | hTRIG4 rate: 2217 | hTRIG5 rate: 8115 | hTRIG6 rate: 1408

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 4/10 LD2, 30 min

Events 3.5M Charge ____C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 9.73 (μA)

Run Number: 6647 | 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): 09:54 | Stop time (from RC): 10:31

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

hTRIG1 rate: 2.49e6 | hTRIG3 rate: 12978 | hTRIG4 rate: 2231 | hTRIG5 rate: 7990 | hTRIG6 rate: 1425

☑ Data ok ☐ Junk

coin_sparse ☐ *coin* ☐ *coin_sparse_low* ☐

Comments: 5/10 LD2, 30 min

Events 3.9M Charge ____C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 9.78 (μA)

Run Number: 6648 | 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): 10:34 | Stop time (from RC): 11:07

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

hTRIG1 rate: 2.49e6 | hTRIG3 rate: 12616 | hTRIG4 rate: 2170 | hTRIG5 rate: 9748 | hTRIG6 rate: 1403

☑ Data ok ☐ Junk

coin_sparse ☐ *coin* ☐ *coin_sparse_low* ☐

Comments: 6/10 LD2, 30 min

Events 3.9M Charge ____C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 9.75 (μA)

Run Number: 6649 | 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): 11:02 | Stop time (from RC): 12:02

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

hTRIG1 rate: 2.5e6 | hTRIG3 rate: 12415 | hTRIG4 rate: 2140 | hTRIG5 rate: 7846 | hTRIG6 rate: 1335

☑ Data ok ☐ Junk

coin_sparse ☐ *coin* ☐ *coin_sparse_low* ☐

Comments: 7/10 LD2, 50 min

Events 5.9M Charge ____C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 9.65 (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 / 05 / 07 (yy / mm / dd) Initials: A.Hoegh

Kinematics: KinC_x 25_3

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.455 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A	X	Y
	1.80 mm	0.27 mm
Nomin:		

3H07C	X	Y
	0.7 mm	0.3 mm
Nomin:		

HMS p: +/- 2.131 From GUI θ(TV): 23.70 Nearest 0.005

SHMS θ(TV): 26.4 Nearest 0.005

NPS θ = SHMS −16.30° 10.10 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: 6650 | 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): 12:04 | Stop time (from RC): 12:05

☐ 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: Stopped, No beam for 30 minutes

Events 2K Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 6651 | 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): 12:35 | Stop time (from RC):

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

hTRIG1 rate: 2.5e6 | hTRIG3 rate: 12498 | hTRIG4 rate: 2142 | hTRIG5 rate: 7763 | hTRIG6 rate: 1378

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8/10 LD2, 30 min

Events 3.5M Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 9.42 (μA)

Run Number: 6652 | 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): 13:06 | Stop time (from RC): 13:37

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

hTRIG1 rate: 2.5e6 | hTRIG3 rate: 12451 | hTRIG4 rate: 2172 | hTRIG5 rate: 7879 | hTRIG6 rate: 1369

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 9/10 LD2, 30 min

Events 3.5M Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 9.62 (μA)

Run Number: 6653 | 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): 13:38 | Stop time (from RC): 14:07

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

hTRIG1 rate: 2.5e6 | hTRIG3 rate: 12495 | hTRIG4 rate: 2185 | hTRIG5 rate: 7849 | hTRIG6 rate: 1392

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 10/10 LD2, 30 min

Events 3M Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 9.47 (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 / 07 (yy / mm / dd) **Initials:** A. Hogh

Kinematics: KinC_x 25-3

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.455 GeV

Raster: ☑ On ☐ Off Size: 2×2

Beam position and angle on target:

3H07A	X	Y
	1.79 mm	0.29 mm
Nomin:		Nomin:
3H07C	X	Y
	0.68 mm	0.33 mm
Nomin:		Nomin:

HMS

p: +2.131 (From GUI) θ(TV): 23.70 (Nearest 0.005)

SHMS

θ(TV): 26.4 (Nearest 0.005)

NPS

θ = SHMS −16.30° 10.10 (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: 6654

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): 14:09

Stop time (from RC): 14:42

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

hTRIG1 rate: 2.11e6 hTRIG3 rate: 8721 hTRIG4 rate: 1538

hTRIG5 rate: 4261 hTRIG6 rate: 769

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 1/1 LD2, 30 min

Events 2.4M Charge 0.88mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 6.70 (μA)

Run Number: 6655

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: 2 PS5: -1 PS6: -1

Start time (from RC): 14:46

Stop time (from RC): 15:01

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

hTRIG1 rate: 2.48e6 hTRIG3 rate: 12615 hTRIG4 rate: 2201

hTRIG5 rate: 7871 hTRIG6 rate: 1383

☑ Data ok ☐ Junk

coin_sparse ☐ *coin* ☑ *coin_sparse_low* ☐

Comments: 1/1 LD2, 15 min

Events 681k Charge 5.63mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 9.63 (μA)

Run Number: 6656

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): 15:32

Stop time (from RC): 16:03

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

hTRIG1 rate: 2.02×10^6 hTRIG3 rate: 7737 hTRIG4 rate: 1486

hTRIG5 rate: 3598 hTRIG6 rate: 703

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 1/9 LH2, 30 min

Events 2.4M Charge 17.3C

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

Max NPS anode current (single crystal): 11.87 (μA)

Run Number: 6658

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): 16:04

Stop time (from RC): 16:35

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

hTRIG1 rate: 2.01×10^6 hTRIG3 rate: 7812 hTRIG4 rate: 1497

hTRIG5 rate: 3644 hTRIG6 rate: 721

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 2/9 LH_2

Events 2.2M Charge 16.2C

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

Max NPS anode current (single crystal): 12.34 (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 / 05 / 07 (yy / mm / dd) Initials: H.M.

Kinematics: KinC_x25_3

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

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.455 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- 2.131 (From GUI) θ(TV): 23.70 (Nearest 0.005)

SHMS θ(TV): 26.40 (Nearest 0.005)

NPS θ = SHMS −16.30° = 10.1 (Nearest 0.005)

Beam position and angle on target:

3H07A X	3H07A Y	3H07C X	3H07C Y
1.81 mm	0.29 mm	0.70 mm	0.31 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

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Run Number: 6659 | 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): 16:36 | Stop time (from RC): 17:06

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.01x10^6 | hTRIG3 rate: 7735 | hTRIG4 rate: 1444 | hTRIG5 rate: 3699 | hTRIG6 rate: 713

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/9 LH2

Events 2.5M | Charge 18.4C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 12.44 (μA)

Run Number: 6660 | 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): 17:07 | Stop time (from RC): 17:38

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.01x10^6 | hTRIG3 rate: 7810 | hTRIG4 rate: 1497 | hTRIG5 rate: 3664 | hTRIG6 rate: 714

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 4/9 LH2

Events 1.9M | Charge 14C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.8% | Max NPS anode current (single crystal): 11.99 (μA)

Run Number: 6661 | I_{beam}: 12μA

☑ 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): 17:39 | Stop time (from RC): 18:10

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.02x10^6 | hTRIG3 rate: 7833 | hTRIG4 rate: 1512 | hTRIG5 rate: 3648 | hTRIG6 rate: 721

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 5/9 LH2

Events 2.4M | Charge 18C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.3% | Max NPS anode current (single crystal): 12.25 (μA)

Run Number: 6662 | 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): 18:11 | Stop time (from RC): 18:45

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.03x10^6 | hTRIG3 rate: 7768 | hTRIG4 rate: 1465 | hTRIG5 rate: 3656 | hTRIG6 rate: 707

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 6/9 LH2

Events 2.6M | Charge 19C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 11.58 (μA)

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24/05/07 (yy/mm/dd) Initials: H.M.

Kinematics: KinC_x 25_3

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.455 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	3H07A Y
1.80 mm Nomin:	0.30 mm Nomin:
3H07C X	3H07C Y
0.70 mm Nomin:	0.30 mm Nomin:

HMS

p: +/- 2.131 (From GUI) θ(TV): 23.70 (Nearest 0.005)

SHMS

θ(TV): 26.40 (Nearest 0.005)

NPS

θ = SHMS −16.30° 10.1 (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: 6663 | 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): 18:46 | Stop time (from RC): 19:17

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.02×10^6 | hTRIG3 rate: 7887 | hTRIG4 rate: 1472 | hTRIG5 rate: 3691 | hTRIG6 rate: 720

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7/9 LH2

Events 2.29M | Charge 17 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.7% | Max NPS anode current (single crystal): 12.21 (μA)

Run Number: 6664 | 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): 18:18 | Stop time (from RC): 19:48

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.02×10^6 | hTRIG3 rate: 7719 | hTRIG4 rate: 1502 | hTRIG5 rate: 3718 | hTRIG6 rate: 728

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8/9 LH2

Events 2.37M | Charge 17 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 12.23 (μA)

Run Number: 6665 | 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): 19:48 | Stop time (from RC): 20:19

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.01×10^6 | hTRIG3 rate: 7820 | hTRIG4 rate: 1471 | hTRIG5 rate: 3672 | hTRIG6 rate: 724

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 9/9 LH2

Events 2.27M | Charge 16.8 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.8% | Max NPS anode current (single crystal): 12.12 (μA)

Run Number: 6666 | 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): 20:20 | Stop time (from RC): 20:51

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.59×10^6 | hTRIG3 rate: 4308 | hTRIG4 rate: 785 | hTRIG5 rate: 1564 | hTRIG6 rate: 316

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6 μA, LH2

Events 1.38M | Charge 10 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 7.07 (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 / 05 / 07 (yy / mm / dd) Initials: H.M.

Kinematics: KinC_x 25_3

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.455 GeV

Raster: ☑ On ☐ Off Size: 2X2

HMS p: +/- 2.131 (From GUI) θ(TV): 23.70 (Nearest 0.005)

SHMS θ(TV): 26.40 (Nearest 0.005)

NPS θ = SHMS −16.30° = 10.1 (Nearest 0.005)

Beam position and angle on target:

3H07A X	3H07A Y
1.30 mm (Nomin:)	0.32 mm (Nomin:)
3H07C X	**3H07C Y**
0.68 mm (Nomin:)	0.30 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: 6667 | I_{beam}: 9 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): 20:52 | Stop time (from RC): 21:12

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.36×10^6 | hTRIG3 rate: 6355 | hTRIG4 rate: 1737 | hTRIG5 rate: 3529 | hTRIG6 rate: 707

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 9 μA, LH2

Events 1.3M | Charge 10 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 10.22 (μA)

Run Number: 6668 | I_{beam}: 11 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

PS1: −1 PS2: −1 PS3: −1 PS4: 2 PS5: −1 PS6: −1

Start time (from RC): 21:16 | Stop time (from RC): 21:27

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.01×10^6 | hTRIG3 rate: 7825 | hTRIG4 rate: 1484 | hTRIG5 rate: 3706 | hTRIG6 rate: 725

☑ Data ok ☐ Junk

☐ coin_sparse ☑ coin ☐ coin_sparse_low

Comments: 11 μA, coin, LH2

Events _____ | Charge 6.7 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 12.50 (μA)

Run Number: 6669 | I_{beam}: 6 μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

PS1: −1 PS2: −1 PS3: −1 PS4: 0 PS5: −1 PS6: −1

Start time (from RC): 21:36 | Stop time (from RC): 22:06

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.83×10^6 | hTRIG3 rate: 4412 | hTRIG4 rate: 809 | hTRIG5 rate: 1821 | hTRIG6 rate: 359

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Dummy

Events 1.36M | Charge 10.2C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 | Max NPS anode current (single crystal): 10.58 (μA)

Run Number: 6670 | I_{beam}: 6 μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl ☐ _____

PS1: −1 PS2: −1 PS3: −1 PS4: 0 PS5: −1 PS6: −1

Start time (from RC): 22:08 | Stop time (from RC): 22:38

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.83×10^6 | hTRIG3 rate: 4425 | hTRIG4 rate: 810 | hTRIG5 rate: 1867 | hTRIG6 rate: 358

☑ Data ok ☐ Junk

☑ coin_sparse ☐ in ☐ coin_sparse_low

Comments: Dummy

Events 1.26M | Charge 9.4C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 10.39 (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: 24/05/07 (yy/mm/dd) Initials: H.M.

Kinematics: KinC_x25_3

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 3.454 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- 2.131 From GUI θ(TV): 23.70 Nearest 0.005

SHMS θ(TV): 26.40 Nearest 0.005

NPS θ = SHMS −16.30° 10.1 Nearest 0.005

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 465 Amp | NPS Upstream Corr. I = ____ Amp | NPS Upstream Corr. I = ____ Amp

Beam position and angle on target:

	X	Y
3H07A	1.80 mm (Nomin:)	0.29 mm (Nomin:)
3H07C	0.70 mm (Nomin:)	0.30 mm (Nomin:)

Run Number: 6671 — 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): 22:49 — Stop time (from RC): 23:18:57

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.5×10^6 — hTRIG3 rate: 12613 — hTRIG4 rate: 2202

hTRIG5 rate: 7925 — hTRIG6 rate: 1411

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/10 LD2

Events 3.6 M — Charge 9.8 C

Active trigger LiveTime fraction (NPS Scaler Gui): 98.2%

Max NPS anode current (single crystal): 9.68 (μA)

Run Number: 6672 — 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): 23:13:57 — Stop time (from RC): 23:49

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.51×10^6 — hTRIG3 rate: 12402 — hTRIG4 rate: 2107

hTRIG5 rate: 7841 — hTRIG6 rate: 1376

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/10 LD2

Events 3.4 M — Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.5%

Max NPS anode current (single crystal): 9.43 (μA)

Run Number: 6673 — 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): 23:57 — Stop time (from RC): 00:26

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.50×10^6 — hTRIG3 rate: 12393 — hTRIG4 rate: 2144

hTRIG5 rate: 7889 — hTRIG6 rate: 1358

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/10 LD2

Events 3.3 M — Charge 9.1 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.6%

Max NPS anode current (single crystal): 9.50 (μA)

Run Number: 6674 — 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): 00:27 — Stop time (from RC): 01:00

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.50×10^6 — hTRIG3 rate: 12405.3 — hTRIG4 rate: 2152.7

hTRIG5 rate: 7744.1 — hTRIG6 rate: 1392.8

☑ Data ok ☐ Junk

coin_sparse ☑ in ☐ coin_sparse_low ☐

Comments: 4/10 LD2

Events 3.8 M — Charge 10.6 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.474%

Max NPS anode current (single crystal): 9.50 (μA)

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 24/05/08 (yy/mm/dd)   Initials: J-C

Use a separate sheet for each configuration.

Kinematics: KinC_x 25_3

Purpose: [x] Production [ ] Test [ ] Optics [ ] Other: ______

HMS, field, current OK? yes [x] no [ ]

E_{beam}: 8453 GeV

Raster: [x] On [ ] Off   Size: 2×2

HMS	SHMS	NPS
p: +(-)2.131 (From GUI); θ(TV): 23.70 (Nearest 0.005)	θ(TV): 26.40 (Nearest 0.005)	θ = SHMS −16.30°: 10.10 (Nearest 0.005)

Beam position and angle on target:

	X	Y
3H07A	1.792 mm (Nomin:)	0.326 mm (Nomin:)
3H07C	0.706 mm (Nomin:)	0.257 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	I_{beam}	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)
6675	6 μA	LD2 10cm	-1	-1	-1	0	-1	-1	01:01	01:31	[x]	[x]	[x]	7.68×10^5	3657.7	1498.6	7542.6 (~~49.4157~~)	1377.1	Data ok [x]	coin_sparse [x]	5/10 LD2	3.6M	9.8 mC	100 %.	9.67
6676	6 μA	LD2 10cm	-1	-1	-1	0	-1	-1	01:32	02:03	[x]	[x]	[x]	2.49×10^6	12814.4	2216.4	8090.3	1413.7	Data ok [x]	coin_sparse [x]	6/10 LD2	3.5M	9.52 mC	99.426%	9.63
6677	6 μA	LD2 10cm	-1	-1	-1	0	-1	-1	02:04	02:38	[x]	[x]	[x]	2.52×10^6	12207.9	2230.4	7932.0	1389.1	Data ok [x]	coin_sparse [x]	7/10 LD2	3.5M	9.82 mC	99.598%	9.48
6678	6 μA	LD2 10cm	-1	-1	-1	0	-1	-1	02:39	03:10	[x]	[x]	[x]	2.50×10^6	12366.7	2169.4	7855.6	1370.7	Data ok [x]	coin_sparse [x]	8/10 LD2	3.4M	10.32 mC	99.482%	9.24

Target options: LH2 10cm, LD2 10cm, Dummy 10cm, Optics#1 8cm, C 0.5% rl.l. Trigger options: coin_sparse, coin, coin_sparse_low.

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24 / 05 / 06 (yy / mm / dd) Initials: J.C

Kinematics: KinC_x 25-3

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.459 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +⊖ 2.131 (From GUI) θ(TV): 23.70 (Nearest 0.005)

SHMS θ(TV): 26.40 (Nearest 0.005)

NPS θ = SHMS −16.30° = 10.10 (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	1.742 mm	0.284 mm
Nomin:		

3H07C	X	Y
	0.706 mm	0.296 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: 6679 | 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): 03:11 | Stop time (from RC): 03:41

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.50 X 10^6 | hTRIG3 rate: 12358.1 | hTRIG4 rate: 2157.8 | hTRIG5 rate: 7836.3 | hTRIG6 rate: 1372.2

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 9/10 LD2

Events 3.6M | Charge 9.9 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.545% | Max NPS anode current (single crystal): 9.38 (μA)

Run Number: 6680 | 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): 03:42 | Stop time (from RC): 03:59

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.50 X 10^6 | hTRIG3 rate: 12359.7 | hTRIG4 rate: 2143.7 | hTRIG5 rate: 7867.9 | hTRIG6 rate: 1382.6

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 10/10 LD2 17 MIN STOPPED, NO BEAM

Events 1.3M | Charge 3.5 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.629 % | Max NPS anode current (single crystal): 9.34 (μA)

Run Number: 6681 | 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): 04:07 | Stop time (from RC): 04:23

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.51 X 10^6 | hTRIG3 rate: 12232.0 | hTRIG4 rate: 2178.6 | hTRIG5 rate: 7772.1 | hTRIG6 rate: 1363.5

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 10/10 LD2 15 MIN

Events 1.7M | Charge 4.9 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.605% | Max NPS anode current (single crystal): 9.49 (μA)

Run Number: 6682 | 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): 04:26 | Stop time (from RC): 04:58

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.03 X 10^6 | hTRIG3 rate: 3052.2 | hTRIG4 rate: 1404.6 | hTRIG5 rate: 3931.9 | hTRIG6 rate: 697.8

☑ Data ok ☐ Junk

☑ coin_sparse ☐ in ☐ coin_sparse_low

Comments: 1/1 3 MIN, 4 MA

Events 1.6M | Charge 4.6 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 5.25 (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 / 05 / 06 (yy / mm / dd) Initials: J-C

Kinematics: KinC_x 25-3

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8454 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +(E) 2.131 (From GUI) θ(TV): 23.70 (Nearest 0.005)

SHMS θ(TV): 26.40 (Nearest 0.005)

NPS θ = SHMS −16.30° = 10.10 (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	1.791 mm	0.294 mm
Nomin:		Nomin:
3H07C	X	Y
	0.667 mm	0.322 mm
Nomin:		Nomin:

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 466 Amp | NPS Upstream Corr. I = ____ Amp | NPS Upstream Corr. I = ____ Amp

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Run Number: 6683 | 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: 2 PS5: -1 PS6: -1

Start time (from RC): 05:23 | Stop time (from RC): 05:38

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.50x10^6 | hTRIG3 rate: 12417.6 | hTRIG4 rate: 2136.0 | hTRIG5 rate: 7830.2 | hTRIG6 rate: 1385.6

☑ Data ok ☐ Junk

☐ coin_sparse ☒ coin ☐ coin_sparse_low

Comments: 1/1 15 MIN, 6MA

Events 561K | Charge 4.6 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100 %

Max NPS anode current (single crystal): 4.53 (μA)

Run Number: 6684 | 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): 05:52 | Stop time (from RC): 06:24

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.01x10^6 | hTRIG3 rate: 7870.2 | hTRIG4 rate: 1503.4 | hTRIG5 rate: 3656.2 | hTRIG6 rate: 709.9

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/5 LH2

Events 2.5M | Charge 18.2 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 97.531 %

Max NPS anode current (single crystal): 12.20 (μA)

Run Number: 6685 | 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): 06:26 | Stop time (from RC): 06:56

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.01x10^6 | hTRIG3 rate: 7936.3 | hTRIG4 rate: 1454.1 | hTRIG5 rate: 3624.3 | hTRIG6 rate: 689.2

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/5 LH2

Events 2M | Charge 15.4 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.870 %

Max NPS anode current (single crystal): 11.89 (μA)

Run Number: 6686 | 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): 06:58 | Stop time (from RC): 07:28

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.01x10^6 | hTRIG3 rate: 7711.3 | hTRIG4 rate: 1462.5 | hTRIG5 rate: 3586.3 | hTRIG6 rate: 696.0

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/5 LH2

Events 2.3M | Charge 17.3 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.632 %

Max NPS anode current (single crystal): 12.26 (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 / 08 (yy / mm / dd) Initials: J.C

Kinematics: KinC_x 25-3

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.454 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- 2.131 From GUI θ(TV): 23.70 Nearest 0.005

SHMS θ(TV): 26.40 Nearest 0.005

NPS θ = SHMS −16.30° = 10.10 Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
	1.804 mm	0.311 mm
Nomin:		Nomin:
3H07C	X	Y
	0.698 mm	0.292 mm
Nomin:		Nomin:

Collimator: HMS: Large ☑ Sieve ☐ | *NPS Sweep Magnet* I = 466 Amp | *NPS Upstream Corr.* I = — Amp | NPS Upstream Corr. I = — Amp

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Run Number: 6687 | 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: 9 PS5: -1 PS6: -1

Start time (from RC): 07:29 | Stop time (from RC): 08:02

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.02x10^6 | hTRIG3 rate: 7906.2 | hTRIG4 rate: 1445.8 | hTRIG5 rate: 3644.4 | hTRIG6 rate: 709.9

☑ Data ok ☐ Junk

☑ *coin_sparse* ☐ *coin* ☐ *coin_sparse_low*

Comments: 4/5 LH2

Events 24 M | Charge 17.5 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.713% | Max NPS anode current (single crystal): 12.45 (μA)

Run Number: 6688 | 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): 08:04 | Stop time (from RC): 08:27

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.32e6 | hTRIG3 rate: 6359 | hTRIG4 rate: 1193 | hTRIG5 rate: 3542 | hTRIG6 rate: 695

☑ Data ok ☐ Junk

☑ *coin_sparse* ☐ *coin* ☐ *coin_sparse_low*

Comments: 1 20min, LH2

Events 1.3 M | Charge 3.96 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 10.23 (μA)

Run Number: 6689 | 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): 08:30 | Stop time (from RC): 09:09

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.60.e6 | hTRIG3 rate: 4374 | hTRIG4 rate: 46.9 | hTRIG5 rate: 40 | hTRIG6 rate: 40

☑ Data ok ☐ Junk

☑ *coin_sparse* ☐ *coin* ☐ *coin_sparse_low*

Comments: 1 30 min, LH2

Events 1.7 M | Charge 12.28 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 7.16 (μA)

Run Number: 6690 | 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): 10:04 | Stop time (from RC): 10:38

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: — | hTRIG3 rate: — | hTRIG4 rate: — | hTRIG5 rate: — | hTRIG6 rate: —

☑ Data ok ☐ Junk

☑ *coin_sparse* ☐ *in* ☐ *coin_sparse_low*

Comments: 30 min LH2, after pressure change

Events 2.4 M | Charge 17.14 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 12.16 (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: 24/05/08 (yy/mm/dd) Initials: A.Hogh

Kinematics: KinC_x 25_3

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.453 GeV

Raster: ☑ On ☐ Off Size: 2×2

HMS p: ~~2.131~~ From GUI θ(TV): 23.70 Nearest 0.005

SHMS θ(TV): 26.40 Nearest 0.005

NPS θ = SHMS −16.30° 10.10 Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
	1.78 mm	0.3 mm
Nomin:		Nomin:
3H07C	X	Y
	0.71 mm	0.29 mm
Nomin:		Nomin:

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 486 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 6691 | 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): 11:46 | Stop time (from RC): 12:17

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.19 e6 | hTRIG3 rate: 14403 | hTRIG4 rate: 822 | hTRIG5 rate: 6382 | hTRIG6 rate: 405

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Dummy, positron run

Events 1.4M Charge 8.34mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): _____ (μA)

Run Number: 6692 | 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): 12:31 | Stop time (from RC): 13:03

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.06 e6 | hTRIG3 rate: 29962 | hTRIG4 rate: 2044 | hTRIG5 rate: 14374 | hTRIG6 rate: 1004

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/2 LH2 30min

Events 3M Charge 14.39mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 11.68 (μA)

Run Number: 6693 | 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): 13:05 | Stop time (from RC): 13:37

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.02e6 | hTRIG3 rate: 31052 | hTRIG4 rate: 2152 | hTRIG5 rate: 14440 | hTRIG6 rate: 1014

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/2 LH2 30 min

Events 3.3M Charge 15.7mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 11.74 (μA)

Run Number: 6694 | 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): 13:49 | Stop time (from RC): 14:24

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.41e6 | hTRIG3 rate: 32297 | hTRIG4 rate: 2189 | hTRIG5 rate: 18749 | hTRIG6 rate: 40

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/4 LD2 30 min

Events 4M Charge 8.91mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 7.86 (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 / 05 / 08 (yy / mm / dd) Initials: A. Hogh

Kinematics: KinC_x 25-3

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.453 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: ±2.131 From GUI θ(TV): 23.70 Nearest 0.005

SHMS θ(TV): 26.40 Nearest 0.005

NPS θ = SHMS −16.30° 10.10 Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
	1.78 mm	0.31 mm
Nomin:		Nomin:
3H07C	X	Y
	0.71 mm	0.29 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: 6695 | 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): 14:27 | Stop time (from RC): 14:57

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.42e6 | hTRIG3 rate: 32490 | hTRIG4 rate: 2158 | hTRIG5 rate: 18504 | hTRIG6 rate: 1281

☑ Data ok ☑ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 2/4 LD2 30 min

Events 3.2M Charge 6.9C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 7.77 (μA)

Run Number: 6696 | 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): 14:58 | Stop time (from RC): 15:29

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.43e6 | hTRIG3 rate: 32637 | hTRIG4 rate: 2214 | hTRIG5 rate: 19080 | hTRIG6 rate: 1309

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 3/4 LD2 30min

Events 3.5M Charge 8 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.6% | Max NPS anode current (single crystal): 7.89 (μA)

Run Number: 6697 | 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): 15:31 | Stop time (from RC): 16:02

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.47×10^6 | hTRIG3 rate: 38774 | hTRIG4 rate: 2688 | hTRIG5 rate: 24306 | hTRIG6 rate: 1710

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 4/4 LD_2

Events 4.0M Charge 8.8C | Active trigger LiveTime fraction (NPS Scaler Gui): 98.8 | Max NPS anode current (single crystal): 9.27 (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: 24/05/08 (yy/mm/dd) Initials: HDK

Kinematics: KinC_x50_1

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.452 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- 4.726 (From GUI) θ(TV): 16.74 (Nearest 0.005)

SHMS θ(TV): 35.28 (Nearest 0.005)

NPS θ = SHMS −16.30° 18.98 (Nearest 0.005)

Beam position and angle on target:

	X	Y
3H07A	1.78 mm (Nomin:)	0.30 mm (Nomin:)
3H07C	0.69 mm (Nomin:)	0.31 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: 6698 | I_{beam}: 10 μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: — PS2: — PS3: — PS4: 1 PS5: — PS6: —

Start time (from RC): 17:48 | Stop time (from RC): 18:07

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.9x10^5 | hTRIG3 rate 1871 | hTRIG4 rate 1345 | hTRIG5 rate 130 | hTRIG6 rate 108

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Dummy. Ended run no beam ~50% time

Events 406 K | Charge 5 C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9 | Max NPS anode current (single crystal) 2.30 (μA)

Run Number: 6699 | I_{beam}: 10 μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: — PS2: — PS3: — PS4: 1 PS5: — PS6: —

Start time (from RC): 18:11 | 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: Dummy Scans

Events ____ | Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui) | Max NPS anode current (single crystal) — (μA)

Run Number: 6700 | I_{beam}: 10 μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: — PS2: — PS3: — PS4: 1 PS5: — PS6: —

Start time (from RC): 18:17 | Stop time (from RC): 18:47

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.92x10^5 | hTRIG3 rate 1874 | hTRIG4 rate 1383 | hTRIG5 rate 120 | hTRIG6 rate 101

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Dummy

Events 1 M | Charge 14.7 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9 | Max NPS anode current (single crystal) 2.18 (μA)

Run Number: 6701 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: — PS2: — PS3: — PS4: 1 PS5: — PS6: —

Start time (from RC): 18:58 | Stop time (from RC): 19:21

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 7.52·10^5 | hTRIG3 rate 4986.5 | hTRIG4 rate 1 | hTRIG5 rate — | hTRIG6 rate —

☑ Data ok ☐ Junk

☑ coin_sparse ☐ in ☐ coin_sparse_low

Comments: 1/3 LD2 End run, no beam

Events 253 K | Charge 1 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 / 05 / 09 (yy / mm / dd) Initials: H.M.

Kinematics: KinC_x_____

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.371 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.81 mm (Nomin:)	0.30 mm (Nomin:)
3H07C	0.70 mm (Nomin:)	0.30 mm (Nomin:)

HMS p: +/- 4.042 (From GUI) θ(TV): 24.43 (Nearest 0.005)

SHMS θ(TV): 37.50 (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: 6702 | 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): 22:58 | Stop time (from RC): 23:36

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 3.03×10^5 | hTRIG3 rate: 248 | hTRIG4 rate: 146 | hTRIG5 rate: 53 | hTRIG6 rate: 46

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: HMS Elastic θ_{HMS} = 24.43

Events: 292K | Charge: 40 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100%

Max NPS anode current (single crystal): 2.40 (μA)

Run Number: 6703 | 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): 23:41 | Stop time (from RC): 00:22

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 5.41×10^5 | hTRIG3 rate: 291 | hTRIG4 rate: 147 | hTRIG5 rate: 70 | hTRIG6 rate: 52

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: HMS Elastic, θ_{HMS} = 24.86

Events: 305K | Charge: 59.3 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100%

Max NPS anode current (single crystal): 3.22 (μA)

Run Number: 6704 | 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): 00:32 | 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: HMS ELASTIC, θ_{HMS} = 24.86 DUMMY

Events: 6704 | Charge: _____ C

Active trigger LiveTime fraction (NPS Scaler Gui): _____

Max NPS anode current (single crystal): _____ (μA)

Run Number: 6705 | 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): 00:40 | Stop time (from RC): 01:01

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.30×10^6 | hTRIG3 rate: 183.1 | hTRIG4 rate: 87.2 | hTRIG5 rate: 47.2 | hTRIG6 rate: 42.0

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: HMS ELASTIC, θ_{HMS} = 24.86 DUMMY

Events: 107K | Charge: 21.4 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100%

Max NPS anode current (single crystal): 3.13 (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 / 19 (yy / mm / dd) Initials: JC

Kinematics: KinC_x_____

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6370 GeV

Raster: ☑ On ☐ Off Size: 2×2

HMS p: +04.042 (From GUI) θ(TV): 24.66 (Nearest 0.005)

SHMS θ(TV): 37.50 (Nearest 0.005)

NPS θ = SHMS −16.30° = 11.20 (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	1.798 mm	0.359 mm
Nomin:		Nomin:

3H07C	X	Y
	0.702 mm	0.301 mm
Nomin:		Nomin:

Collimator: HMS: ☑ Large ☐ Sieve | NPS Sweep Magnet I = 466 Amp | NPS Upstream Corr. I = — Amp | NPS Upstream Corr. I = — Amp

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Run Number: 6706 | 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): 01:11 | Stop time (from RC): 01:42

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 5.22×10^6 | hTRIG3 rate: 280.7 | hTRIG4 rate: 151.1 | hTRIG5 rate: 64.7 | hTRIG6 rate: 49.7

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: HMS ELASTIC, θ_{HMS} = 24.66, LH2

Events 216K | Charge 98.96 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 2.82 (μA)

Run Number: 6707 | 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): 01:52 | Stop time (from RC): 02:12

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 8.73×10^5 | hTRIG3 rate: 575.1 | hTRIG4 rate: 165.6 | hTRIG5 rate: 96.1 | hTRIG6 rate: 65.9

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: HMS ELASTIC, θ_{HMS} = 24.66, LD2

Events 177K | Charge 19.2 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.929% | Max NPS anode current (single crystal): 3.07 (μA)

Run Number: 6708 | 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): 02:26 | Stop time (from RC): 02:43

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 5.26×10^5 | hTRIG3 rate: 500.6 | hTRIG4 rate: 388.4 | hTRIG5 rate: 93.3 | hTRIG6 rate: 74.9

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: HMS ELASTIC, θ_{HMS} = 23.29, LH2 13MIN

Events 185K | Charge 17.2 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 3.13 (μA)

Run Number: 6709 | 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): 03:23 | Stop time (from RC): 03:42

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 5.14×10^5 | hTRIG3 rate: 567.9 | hTRIG4 rate: 364.6 | hTRIG5 rate: 100.9 | hTRIG6 rate: 75.2

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: HMS ELASTIC, θ_{HMS} = 23.29, LH2 (18MIN)

Events 329K | Charge 26 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 3.26 (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 / 10 (yy / mm / dd) Initials: J.C

Kinematics: KinC_x 50_0

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6370 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +(-)2.636 (From GUI) θ(TV): 25.94 (Nearest 0.005)

SHMS θ(TV): 32.30 (Nearest 0.005)

NPS θ = SHMS −16.30° 16.00 (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	1.796 mm	0.319 mm
Nomin:		Nomin:
3H07C	X	Y
	0.702 mm	0.316 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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Run Number: 6710 | 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): 04:43 | Stop time (from RC): 05:16

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 3.75x10^5 | hTRIG3 rate 970.9 | hTRIG4 rate 393.3 | hTRIG5 rate 111.4 | hTRIG6 rate 67.7

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Dummy

Events 686K | Charge 19.1 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 4.64 (μA)

Run Number: 6711 | 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): 05:30 | Stop time (from RC): 06:02

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 6.02x10^5 | hTRIG3 rate 1267.2 | hTRIG4 rate 934.6 | hTRIG5 rate 593.5 | hTRIG6 rate 290.7

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LD2 1/3

Events 1.2 M | Charge 12.5 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 3.46 (μA)

Run Number: 6712 | 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): 06:05 | Stop time (from RC): 06:16

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.16x10^6 | hTRIG3 rate 2367.8 | hTRIG4 rate 993.9 | hTRIG5 rate 627.4 | hTRIG6 rate 288.2

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/3 LD2 (11 MIN)

Events 635K | Charge 6.3 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.907% | Max NPS anode current (single crystal) 3.50 (μA)

Run Number: 6713 | 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): 06:32 | Stop time (from RC): 06:53

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.19x10^6 | hTRIG3 rate 1313.7 | hTRIG4 rate 998.1 | hTRIG5 rate 603.3 | hTRIG6 rate 275.5

☑ Data ok ☐ Junk

☑ coin_sparse ☐ in ☐ coin_sparse_low

Comments: 2/3 LD2 (19 MIN)

Events 1.1M | Charge ___ C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.883% | Max NPS anode current (single crystal) 3.90 (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 / 10 (yy / mm / dd) Initials: J.C

Kinematics: KinC_x 50_0

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6371 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +(-) 2.638 From GUI θ(TV): 25.94 Nearest 0.005

SHMS θ(TV): 32.30 Nearest 0.005

NPS θ = SHMS −16.30° 16.00 Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
	1.806 mm	0.301 mm
Nomin:		Nomin:
3H07C	X	Y
	0.705 mm	0.309 mm
Nomin:		Nomin:

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 466 Amp | NPS Upstream Corr. I = — Amp | NPS Upstream Corr. I = — Amp

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Run Number: 6714 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 06:55 Stop time (from RC): 07:25

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.18 X10^6 | hTRIG3 rate 2327.2 | hTRIG4 rate 1000.2 | hTRIG5 rate 612.3 | hTRIG6 rate 272.1

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/3 LD2

Events 1.4M Charge 14.5C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.944% | Max NPS anode current (single crystal) 3.90 (μA)

Run Number: 6715 | 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): 07:36 Stop time (from RC): 08:10

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.14 x10^6 | hTRIG3 rate 1785.2 | hTRIG4 rate 940.4 | hTRIG5 rate 495.6 | hTRIG6 rate 282.2

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/3 LH2

Events 1.7M Charge 36.53mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.987% | Max NPS anode current (single crystal) 5.58 (μA)

Run Number: 6716 | I_{beam}: 20 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 08:11 Stop time (from RC): 08:50

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.2e6 | hTRIG3 rate 1815 | hTRIG4 rate 931 | hTRIG5 rate 472 | hTRIG6 rate 258

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/3 LH2

Events 2M Charge 43.31mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 5.62 (μA)

Run Number: 6717 | I_{beam}: 20 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 08:50 Stop time (from RC): 09:30

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.16e6 | hTRIG3 rate 1830 | hTRIG4 rate 931 | hTRIG5 rate 484 | hTRIG6 rate 263

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/3 LH2

Events _____ Charge _____C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) (μA)

$p(e,e'\gamma)\,p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24 / 05 / 10 (yy / mm / dd) **Initials:** A.Hoegh

Kinematics: KinC_x 50_0

Purpose: ☑ Production ☐ Test ☐ Optics ☑ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.370 GeV

Raster: ☑ On ☐ Off Size: _____

Beam position and angle on target:

3H07A	X: 1.82 mm (Nomin:)	Y: 0.32 mm (Nomin:)
3H07C	X: 0.7 mm (Nomin:)	Y: 0.29 mm (Nomin:)

HMS p: +(-) 2.638 (From GUI) θ(TV): 25.94 (Nearest 0.005)

SHMS θ(TV): 37.50 (Nearest 0.005)

NPS θ = SHMS −16.30° = 16.00 (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: 6718 | 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): 09:45 | Stop time (from RC): 10:07

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: – | hTRIG3 rate: – | hTRIG4 rate: –

hTRIG5 rate: – | hTRIG6 rate: –

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 15 min instead of 30, beam is off

Events 1.1M | Charge 23.37 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): — (μA)

Run Number: 6719 | 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): 10:45 | Stop time (from RC): 11:24

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 5.25e5 | hTRIG3 rate: 1526 | hTRIG4 rate: 802

hTRIG5 rate: 158 | hTRIG6 rate: 127.5

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 30 min, 34 Hz

Events 2.7M | Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 3.28 (μA)

Run Number: 6720 | 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): 11:43 | Stop time (from RC): 12:15

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 5.28e5 | hTRIG3 rate: 2739 | hTRIG4 rate: 1369

hTRIG5 rate: 333 | hTRIG6 rate: 203

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 30 min, 36 Hz

Events 2.5M | Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 3.24 (μA)

Run Number: 6721 | 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): 12:27 | Stop time (from RC): 12:58

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 8.85e5 | hTRIG3 rate: 4724 | hTRIG4 rate: 1877

hTRIG5 rate: 792 | hTRIG6 rate: 367

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 30 min, 28 Hz

Events 3.1M | Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 2.65 (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: 24/05/10 (yy/mm/dd) Initials: A. Kogh

Kinematics: KinC_x 50-0

Purpose:
- ☐ Production
- ☐ Test
- ☐ Optics
- ☑ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.370 GeV

Raster: ☑ On ☐ Off Size: 2×2

Beam position and angle on target:

	X	Y
3H07A	1.79 mm (Nomin:)	0.29 mm (Nomin:)
3H07C	0.7 mm (Nomin:)	0.3 mm (Nomin:)

HMS
p: +02.638 (From GUI) θ(TV): 25.94 (Nearest 0.005)

SHMS
θ(TV): 37.50 (Nearest 0.005)

NPS
θ = SHMS −16.30°: 16.00 (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: 6722 | 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): 13:03 | Stop time (from RC): 13:33

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 8.75e5 | hTRIG3 rate: 4786 | hTRIG4 rate: 2004 | hTRIG5 rate: 884 | hTRIG6 rate: 381

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 30 min, 3 kHz

Events ~3.2M | Charge ~2.8 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 2.73 (μA)

Run Number: 6723 | 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): 13:45 | Stop time (from RC): 14:18

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 8.61e5 | hTRIG3 rate: 4630 | hTRIG4 rate: 1957 | hTRIG5 rate: 873 | hTRIG6 rate: 373

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 30 min, 5 kHz

Events 3.4M | Charge 37.4 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 2.92 (μA)

* Production Runs

Run Number: 6724 | 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): 14:48 | Stop time (from RC): 15:18

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 9.85×10^5 | hTRIG3 rate: 2302 | hTRIG4 rate: 458 | hTRIG5 rate: 506 | hTRIG6 rate: 127

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8 μA, Dummy, Kin 36-1

Events ~700K | Charge ~1.2 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 12.55 (μA)

Run Number: 6725 | 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): 15:28 | Stop time (from RC): 15:59

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.23×10^6 | hTRIG3 rate: 6435 | hTRIG4 rate: 1251 | hTRIG5 rate: 3386 | hTRIG6 rate: 686

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LD2, Kin 36-1

Events 1.9M | Charge 13.1 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 10.8 (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: 24/05/10 (yy/mm/dd) Initials: H, M

Kinematics: KinC_x 36_1

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.371 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	3H07A Y
1.80 mm Nomin:	0.28 mm Nomin:
3H07C X	3H07C Y
0.70 mm Nomin:	0.30 mm Nomin:

HMS p: +/- 1.956 (From GUI) θ(TV): 28.34 (Nearest 0.005)

SHMS θ(TV): 27.77 (Nearest 0.005)

NPS θ = SHMS −16.30° 11.47 (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: 6726 | 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): 16:01 | Stop time (from RC): 16:31

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate 2.23×10^6 | hTRIG3 rate 6454 | hTRIG4 rate 1248 | hTRIG5 rate 3427 | hTRIG6 rate 693

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LD2, Kin 36_1 Ended run, HMS Q3 was down

Events 1.85M | Charge 12.6C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 9.87 (μA)

Run Number: 6727 | 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): 16:49 | Stop time (from RC): 17:20

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.36×10^6 | hTRIG3 rate 6134 | hTRIG4 rate 1223 | hTRIG5 rate 3448 | hTRIG6 rate 686

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LD2, Kin 36_1

Events 2.1M | Charge 14.8C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 9.68 (μA)

Run Number: 6728 | I_{beam}: 13 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): 17:28 | Stop time (from RC): 17:58

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.72×10^6 | hTRIG3 rate 3399 | hTRIG4 rate 827 | hTRIG5 rate 1355 | hTRIG6 rate 340

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 13 μA, LH_2, Kin 36_1

Events 1.2M | Charge 18.8C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 11.61 (μA)

Run Number: 6729 | I_{beam}: 13 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): 17:59 | Stop time (from RC): 18:32

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.72×10^6 | hTRIG3 rate 3376 | hTRIG4 rate 779 | hTRIG5 rate 1334 | hTRIG6 rate 317

☑ Data ok ☐ Junk

☑ coin_sparse ☐ in ☐ coin_sparse_low

Comments: 13 μA, LH_2, Kin 36_1

Events 1.28M | Charge 20 C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 11.81 (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: 24/05/10 (yy/mm/dd) Initials: H.M.

Kinematics: KinC_x _____

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.370 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- _____ (From GUI) θ(TV): _____ (Nearest 0.005)

SHMS θ(TV): _____ (Nearest 0.005)

NPS θ = SHMS −16.30° _____ (Nearest 0.005)

Beam position and angle on target:

	X	Y
3H07A	1.80 mm (Nomin:)	0.31 mm (Nomin:)
3H07C	0.70 mm (Nomin:)	0.30 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: 6730 | I_{beam}: 13 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): 18:33 | Stop time (from RC): 18:47

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.73×10^6 | hTRIG3 rate 3370 | hTRIG4 rate 840 | hTRIG5 rate 1344 | hTRIG6 rate

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 13 μA, LH_2, Kin. 36_1 Ended run, no Beam

Events 2.50 K | Charge 2.8 C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 11.34 (μA)

Run Number: 6731 | I_{beam}: 13 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): 19:08 | Stop time (from RC): 19:23

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate 1.75×10^6 | hTRIG3 rate 3357 | hTRIG4 rate 770 | hTRIG5 rate 1308 | hTRIG6 rate 332

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Ended run, Loop 3 typo 2010 13μA, LH_2, Kin. 36_1

Events 528K | Charge 8.5C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.99% | Max NPS anode current (single crystal) 11.20 (μA)

Run Number: 6732 | I_{beam}: 13 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): 19:36 | Stop time (from RC): 19:59

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.74×10^6 | hTRIG3 rate 3308 | hTRIG4 rate 797 | hTRIG5 rate 1327 | hTRIG6 rate 339

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 13μA, LH_2, Kin. 36_1

Events 1.0M | Charge 16.9C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 11.62 (μA)

Run Number: 6733 | 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): 20:16 | Stop time (from RC): 20:46

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 9.71×10^5 | hTRIG3 rate 7307 | hTRIG4 rate 1147 | hTRIG5 rate 1523 | hTRIG6 rate 243

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8μA, Dummy, Kin. 25_1

Events 1.8M | Charge 12.8C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 11.98 (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 / 10 (yy / mm / dd) Initials: H. M.

Kinematics: KinC_x 25_1

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.370 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	3H07A Y
1.81 mm (Nomin:)	0.23 mm (Nomin:)
3H07C X	3H07C Y
0.70 mm (Nomin:)	0.30 mm (Nomin:)

HMS: p: +/- 1.734 (From GUI) θ(TV): 25.13 (Nearest 0.005)

SHMS: θ(TV): 27.77 (Nearest 0.005)

NPS: θ = SHMS −16.30° 11.47 (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: 6734 | 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: 9 PS5: -1 PS6: -1

Start time (from RC): 20:56 | Stop time (from RC): 21:05

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.35x10^6 | hTRIG3 rate 22354 | hTRIG4 rate 3278 | hTRIG5 rate 12507 | hTRIG6 rate 1882

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8 μA, LD2, Kin. 25_1

Events 1.5M | Charge 3.8C | Active trigger LiveTime fraction (NPS Scaler Gui) 96.4% | Max NPS anode current (single crystal) 9.50 (μA)

Run Number: 6735 | 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): 21:07 | Stop time (from RC): 21:37

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.36x10^6 | hTRIG3 rate 22258 | hTRIG4 rate 3284 | hTRIG5 rate 12655 | hTRIG6 rate 1838

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8 μA, LD2, Kin 25_1

Events 2.8M | Charge 13.8C | Active trigger LiveTime fraction (NPS Scaler Gui) 97.9 | Max NPS anode current (single crystal) 9.60 (μA)

Run Number: 6736 | 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): 21:38 | Stop time (from RC): 22:06

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.33x10^6 | hTRIG3 rate 22695 | hTRIG4 rate 3298 | hTRIG5 rate 12546 | hTRIG6 rate 1845

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8 μA, LD2, Kin. 25_1

Events 2.7M | Charge 11.6C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 9.37 (μA)

Run Number: 6737 | 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): 22:07 | Stop time (from RC): 22:37

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.38x10^6 | hTRIG3 rate 21920 | hTRIG4 rate 3279 | hTRIG5 rate 12574 | hTRIG6 rate 1821

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8 μA, LD2, Kin 25_1

Events 2.6M | Charge 11.7C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 9.32 (μA)

$p(e,e'\gamma)\,p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24/05/10 (yy/mm/dd) Initials: H.M.

Kinematics: KinC_x 25_1

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.370 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.80 mm (Nomin:)	0.32 mm (Nomin:)
3H07C	0.70 mm (Nomin:)	0.31 mm (Nomin:)

HMS: p: +/- 1.736 (From GUI) θ(TV): 25.13 (Nearest 0.005)

SHMS: θ(TV): 27.77 (Nearest 0.005)

NPS: θ = SHMS −16.30° 11.47 (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: 6738 | I_{beam}: 13 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): 22:46 | Stop time (from RC): 23:16

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.93x10^6 | hTRIG3 rate: 12431 | hTRIG4 rate: 2058 | hTRIG5 rate: 4837 | hTRIG6 rate: 809

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LH2, Kin 25_1

Events: 3.38 M | Charge: 21.3 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.6 %

Max NPS anode current (single crystal): 11.35 (μA)

Run Number: 6739 | I_{beam}: 13 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): 23:47

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.76x10^6 | hTRIG3 rate: 12286 | hTRIG4 rate: 2085 | hTRIG5 rate: 4815 | hTRIG6 rate: 822

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LH2, Kin 25_1

Events: 3.39 M | Charge: 21.8 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.6 %

Max NPS anode current (single crystal): 11.33 (μA)

Run Number: 6740 | I_{beam}: 13 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): 00:20

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.76x10^6 | hTRIG3 rate: 12038 | hTRIG4 rate: 1934 | hTRIG5 rate: 4785 | hTRIG6 rate: 812

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LH2, Kin 25_1

Events: 3.4 M | Charge: 21.6 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.3 %

Max NPS anode current (single crystal): 11.26 (μA)

Run Number: 6741 | 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): 01:04 | Stop time (from RC): 01:35

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 7.43e+05 | hTRIG3 rate: 540.1 | hTRIG4 rate: 107.9 | hTRIG5 rate: 117.1 | hTRIG6 rate: 49.7

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: DIS KinC x60-1 : Dummy 1/1

Events: 186 K | Charge: 16.7 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100 %

Max NPS anode current (single crystal): 6.41 (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: 24 / 05 / 11 (yy / mm / dd) Initials: GV

Kinematics: KinC_x 60-1

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6370 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.80 mm (Nomin:)	0.312 mm (Nomin:)
3H07C	0.701 mm (Nomin:)	6.298 mm (Nomin:)

HMS p: +2.179 (From GUI) θ(TV): 39.810 (Nearest 0.005)

SHMS θ(TV): 30.700 (Nearest 0.005)

NPS θ = SHMS −16.30° 14.400 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 469 Amp | NPS Upstream Corr. I = _____ Amp | NPS Upstream Corr. I = _____ Amp

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Run Number: 6742 | 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): 01:45 | Stop time (from RC): 02:16

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.63e+06 | hTRIG3 rate: 1197.3 | hTRIG4 rate: 201.8 | hTRIG5 rate: 421.8 | hTRIG6 rate: 93.2

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LD2 1/3

Events 344K | Charge 16.8 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 4.93 (μA)

Run Number: 6743 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 02:17 | Stop time (from RC): 02:48

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.62e+06 | hTRIG3 rate: 1192.3 | hTRIG4 rate: 199.2 | hTRIG5 rate: 423.1 | hTRIG6 rate: 91.7

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LD2 2/3

Events 345K | Charge 16.8 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 5.08 (μA)

Run Number: 6744 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 02:49 | Stop time (from RC): 03:19

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.64e+06 | hTRIG3 rate: 1176.7 | hTRIG4 rate: 201.8 | hTRIG5 rate: 446.7 | hTRIG6 rate: 99.9

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LD2 3/3

Events 342K | Charge 16.8 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 4.79 (μA)

Run Number: 6745 | I_{beam}: 18 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 03:30 | Stop time (from RC): 04:01

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.83e+06 | hTRIG3 rate: 679.8 | hTRIG4 rate: 145.3 | hTRIG5 rate: 259.2 | hTRIG6 rate: 86.9

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LH2 1/3

Events 252K | Charge ____ mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 7.02 (μA)

$p(e,e'\gamma)\,p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24 / 05 / 11 (yy / mm / dd) Initials: GV

Kinematics: KinC_x 60_1

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.370 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.79 mm (Nomin:)	0.378 mm (Nomin:)
3H07C	0.704 mm (Nomin:)	0.306 mm (Nomin:)

HMS p: +1.719 (From GUI) θ(TV): 32.810 (Nearest 0.005)

SHMS θ(TV): 30.700 (Nearest 0.005)

NPS θ = SHMS −16.30°: 14.402 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468 Amp | NPS Upstream Corr. I = ____ Amp | NPS Upstream Corr. I = ____ Amp

---

Run Number: 6747 | I_{beam}: 18 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 04:05 | Stop time (from RC): 04:21

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.81 e+06 | hTRIG3 rate: 622.5 | hTRIG4 rate: 152.6 | hTRIG5 rate: 257.7 | hTRIG6 rate: 83.9

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Short Run ~ 15min LH2 2/3 >HMS Dipole Interlock

Events 136K | Charge 15.8C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 6.70 (μA)

Run Number: 6748 | I_{beam}: 18 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 8:14 | Stop time (from RC): 8:54

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.79 e+06 | hTRIG3 rate: 638 | hTRIG4 rate: 148.1 | hTRIG5 rate: 287.7 | hTRIG6 rate: 78.9

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/3 ~~Additional 15 minutes for the run above.~~ LH2 3/3

Events 283K | Charge 32.66 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 6.50 (μA)

Run Number: 6749 | I_{beam}: 18 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 8:56 | Stop time (from RC): 09:04

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.86 e+6 | hTRIG3 rate: 650.5 | hTRIG4 rate: 147.6 | hTRIG5 rate: 285.5 | hTRIG6 rate: 84.1

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Short 15 min run to acount for the short run 6747 LH2 2/3

Events 88K | Charge 9.8mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 6.75 (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)

---

* 6746 → JUNK : CODA crashed while prestarting ⇒ CODA Reset

$p(e,e'\gamma)\,p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24 / 05 / 11 (yy / mm / dd) Initials: MRC

Kinematics: KinC_x 50_0

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6371 GeV

Raster: ☑ On ☐ Off Size: 2mm x 2mm

HMS p: +/- −2.638 From GUI θ(TV): 25.94 Nearest 0.005

SHMS θ(TV): 32.290 Nearest 0.005

NPS θ = SHMS −16.30° 15.990 Nearest 0.005

Beam position and angle on target:

	X	Y
3H07A	1.81 mm Nomin:	0.32 mm Nomin:
3H07C	0.71 mm Nomin:	0.28 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: 6750 | I_{beam}: 10 μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: −1 PS2: −1 PS3: −1 PS4: 0 PS5: −1 PS6: −1

Start time (from RC): 10:18 | Stop time (from RC): 10:48

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 3.64e+5 | hTRIG3 rate: 958.2 | hTRIG4 rate: 383.4 | hTRIG5 rate: 106.9 | hTRIG6 rate: 65.8

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/1

Events 670k Charge 17.02 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 4.37 (μA)

Run Number: 6751 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: −1 PS2: −1 PS3: −1 PS4: 0 PS5: −1 PS6: −1

Start time (from RC): 10:58 | Stop time (from RC): 11:30

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.11e+6 | hTRIG3 rate: 2408.3 | hTRIG4 rate: 1003.3 | hTRIG5 rate: 609.6 | hTRIG6 rate: 296.1

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/3

Events 1.8M Charge 18.22 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 3.60 (μA)

Run Number: 6752 | 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): 11:32 | Stop time (from RC): 12:03

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.14e+6 | hTRIG3 rate: 2331.1 | hTRIG4 rate: 992.2 | hTRIG5 rate: 592.6 | hTRIG6 rate: 255.3

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/3

Events 1.9M Charge 17.43 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 3.24 (μA)

Run Number: 6753 | 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): 12:04 | Stop time (from RC): 12:33

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.14e+6 | hTRIG3 rate: 2341.6 | hTRIG4 rate: 1026 | hTRIG5 rate: 585.0 | hTRIG6 rate: 282.0

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/3

Events 1.6 Charge 14.2mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 3.60 (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 / 11 (yy / mm / dd) Initials: mrc

Kinematics: KinC_x 50-0

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6371 GeV

Raster: ☑ On ☐ Off Size: 2mm x 2mm

Beam position and angle on target:

3H07A	X	Y
	1.82 mm	0.37 mm
Nomin:		Nomin:
3H07C	X	Y
	0.71 mm	0.36 mm
Nomin:		Nomin:

HMS

p: +/- −2.638 (From GUI) θ(TV): 25.44 (Nearest 0.005)

SHMS

θ(TV): 32.29 (Nearest 0.005)

NPS

θ = SHMS −16.30° 15.44 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468 Amp | NPS Upstream Corr. I = ✓ Amp | NPS Upstream Corr. I = ✓ Amp

---

Run Number: 6754

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): 12:42

Stop time (from RC): _____

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.13e+6 hTRIG3 rate: 1794.6 hTRIG4 rate: 963.1

hTRIG5 rate: 457.9 hTRIG6 rate: 260.5

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/3

Events 1.4 M Charge 30.41 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9%

Max NPS anode current (single crystal): 5.08 (μA)

Run Number: 6755

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): 13:16

Stop time (from RC): 13:52

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.13e+6 hTRIG3 rate: 1785.1 hTRIG4 rate: 854.7

hTRIG5 rate: 457.9 hTRIG6 rate: 253.1

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/3

Events 1.8 M Charge 38.20 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9%

Max NPS anode current (single crystal): 5.43 (μA)

Run Number: 6756

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): 13:54

Stop time (from RC): 14:23

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.16e+6 hTRIG3 rate: 1885.1 hTRIG4 rate: 949.7

hTRIG5 rate: 474.6 hTRIG6 rate: 269.7

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/3

Events 1.5 M Charge 32.43 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9%

Max NPS anode current (single crystal): 5.60 (μA)

Run Number: _____

I_{beam}: _____ μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____

Start time (from RC): _____

Stop time (from RC): _____

☐ Settings Verified? ☐ HV OK? ☐ 50k OK?

hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____

hTRIG5 rate: _____ hTRIG6 rate: _____

☐ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: _____

Events _____ Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui): _____

Max NPS anode current (single crystal): _____ (μA)

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 24 / 05 / 11 (yy mm dd) Initials: mrc

Use a separate sheet for each configuration.

Kinematics: KinC_x 60-1

Purpose: [x] Production [ ] Test [ ] Optics [ ] Other: ____

HMS, field, current OK? yes [x] no [ ]

E_{beam}: 6370 GeV

Raster: [x] On [ ] Off Size: 2mm×2mm

Beam position and angle on target:

	X	Y
3H07A	1.82 mm	0.38 mm
Nomin:		
3H07C	0.71 mm	0.39 mm
Nomin:		

HMS: p: +/- -1.719 (From GUI) θ(TV): 39.820 (Nearest 0.005)

SHMS: θ(TV): 30.69 (Nearest 0.005)

NPS: θ = SHMS −16.30° 14.39 (Nearest 0.005)

Collimator: HMS: Large [x] Sieve [ ] | NPS Sweep Magnet I = 468 Amp | NPS Upstream Corr. I = — Amp | NPS Upstream Corr. I = — Amp

Field	Run 6757	Run 6758	Run 6762	Run 6763
Target	Dummy 10cm	LD2 10cm	LD2 10cm	LD2 10cm
I_{beam}	10 μA	10 μA	10 μA	10 μA
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)	14:50	15:31	16:43	16:48
Stop time (from RC)	15:21			17:20
Settings Verified?	[x]	[x]	[x]	[x]
HV OK?	[x]	[x]	[x]	[x]
50k OK?	[x]	[x]	[ ]	[x]
hTRIG1 rate	7.78e+5	1.61e+6		1.60×10^6
hTRIG3 rate	569.9	1164.4		1165
hTRIG4 rate	100.9	204.3		181
hTRIG5 rate	127.1	413.3		446
hTRIG6 rate	53.4	103.4		98
Data ok / Junk	Data ok	Junk	Junk	Junk (Data ok crossed)
Trigger	coin_sparse	coin_sparse	coin_sparse	coin_sparse
Comments	1/1	1/3 No end run lost DAQ control	1/3 LD2, Kin 60-1	1/3 LD2, Kin 60-1
Events	181k			350k
Charge	16.3 C	C	C	16.9 C
Active trigger LiveTime fraction (NPS Scaler Gui)	100%	99.4%		100%
Max NPS anode current (single crystal) (μA)	6.29	5.50		5.20

All runs #6758–6762 are junk due to DAQ problem

(signature)

$p(e,e'\gamma)\,p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24/05/11 (yy/mm/dd) Initials: H.M.

Kinematics: KinC_x 60_5

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.370 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- 1.715 From GUI; θ(TV): 39.852 Nearest 0.005

SHMS θ(TV): 30.69 Nearest 0.005

NPS θ = SHMS −16.30° = 14.4 Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
	1.80 mm	0.31 mm
Nomin:		

3H07C	X	Y
	0.70 mm	0.31 mm
Nomin:		

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468 Amp | NPS Upstream Corr. I = — Amp | NPS Upstream Corr. I = — Amp

---

Run Number: 6764 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: — PS2: — PS3: — PS4: 0 PS5: — PS6: —

Start time (from RC): 17:21 | Stop time (from RC): 17:51

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.56×10^6 | hTRIG3 rate 1170 | hTRIG4 rate 194 | hTRIG5 rate 439 | hTRIG6 rate 91

☑ Data ok ☑ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/3 LD_2

Events 3.5 K Charge 17.1 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100%

Max NPS anode current (single crystal): 5.39 (μA)

GOOD

Run Number: 6765 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: — PS2: — PS3: — PS4: 0 PS5: — PS6: —

Start time (from RC): 17:57 | Stop time (from RC): 18:10

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.61×10^6 | hTRIG3 rate 1158 | hTRIG4 rate 197 | hTRIG5 rate 416 | hTRIG6 rate 90

☐ Data ok ☑ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/3 LD_2

Events 194 K Charge 9.6 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100%

Max NPS anode current (single crystal): 4.97 (μA)

GOOD

Run Number: 6766 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: — PS2: — PS3: — PS4: 0 PS5: — PS6: —

Start time (from RC): 18:19 | Stop time (from RC): 18:52

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.63×10^6 | hTRIG3 rate 1166 | hTRIG4 rate 193 | hTRIG5 rate 412 | hTRIG6 rate 92

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/3 LD_2

Events 356 K Charge 17.1 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100%

Max NPS anode current (single crystal): 5.12 (μA)

Run Number: 6767 | I_{beam}: 18 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): 19:00 | Stop time (from RC): 19:30

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.78×10^6 | hTRIG3 rate 648 | hTRIG4 rate 147 | hTRIG5 rate 269 | hTRIG6 rate 85

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/3 LH_2, min 60-5

Events 243 K Charge 29.9 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100%

Max NPS anode current (single crystal): 7.29 (μA)

Mistake about runs (junk or not) was due to empty π^0 missmass histograms for run 6764 and 6765 in 50k replays.

These Runs are GOOD

$p(e,e'\gamma)\,p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24 / 05 / 11 (yy / mm / dd) Initials: H.M.

Kinematics: KinC_x

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.370 GeV

Raster: ☐ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.80 mm (Nomin:)	0.31 mm (Nomin:)
3H07C	0.70 mm (Nomin:)	0.29 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 = 468 Amp

NPS Upstream Corr. I = ~ Amp

NPS Upstream Corr. I = ~ Amp

Run Number: 6768

I_{beam}: 18 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: ~1 PS2: ~1 PS3: ~1 PS4: 0 PS5: ~1 PS6: ~1

Start time (from RC): 19:31

Stop time (from RC): 20:01

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.82x10^6 hTRIG3 rate: 646 hTRIG4 rate: 155

hTRIG5 rate: 285 hTRIG6 rate: 89

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/3 LH2, Kin 60_1

Events 250 k Charge 30 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100%

Max NPS anode current (single crystal): 6.70 (μA)

Run Number: 6769

I_{beam}: 18 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: ~1 PS2: ~1 PS3: ~1 PS4: 0 PS5: ~1 PS6: ~1

Start time (from RC): 20:02

Stop time (from RC): 20:32

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.84x10^6 hTRIG3 rate: 632 hTRIG4 rate: 135

hTRIG5 rate: 286 hTRIG6 rate: 85

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/3 LH2, Kin 60_1

Events 251 k Charge 30 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100%

Max NPS anode current (single crystal): 7.04 (μA)

Run Number: 6770

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): 21:24

Stop time (from RC): 21:54

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 9.30x10^5 hTRIG3 rate: 2149 hTRIG4 rate: 455

hTRIG5 rate: 498 hTRIG6 rate: 126

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/2 Dummy, Kin 36_1

Events 754 k Charge 13.6 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100%

Max NPS anode current (single crystal): 11.9 (μA)

Run Number: 6771

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): 21:56

Stop time (from RC): 22:27

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 9.76x10^5 hTRIG3 rate: 2223 hTRIG4 rate: 461

hTRIG5 rate: 498 hTRIG6 rate: 128

☑ Data ok ☐ Junk

☑ coin_sparse ☐ in ☐ coin_sparse_low

Comments: 2/2 Dummy, Kin 36_1

Events 767 k Charge 13.6 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.99%

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: 24/05/11 (yy/mm/dd) Initials: H.M.

Kinematics: KinC_x 36.1

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.370 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- 1.956 (From GUI) θ(TV): 28.34 (Nearest 0.005)

SHMS θ(TV): 27.79 (Nearest 0.005)

NPS θ = SHMS −16.30° 11.49 (Nearest 0.005)

Beam position and angle on target:

	X	Y
3H07A	____ mm (Nomin:)	____ mm (Nomin:)
3H07C	0.70 mm (Nomin:)	0.32 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: 6772 | 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): 22:37 | Stop time (from RC): 23:07

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.21×10^6 | hTRIG3 rate 7822 | hTRIG4 rate 1508 | hTRIG5 rate 3943 | hTRIG6 rate 811

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/12 LD_2, Kin 36.1

Events 2.5M | Charge 16.8C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.3% | Max NPS anode current (single crystal) 11.31 (μA)

Run Number: 6773 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 23:08 | Stop time (from RC): 23:38

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.18×10^6 | hTRIG3 rate 7591 | hTRIG4 rate 1467 | hTRIG5 rate 3963 | hTRIG6 rate 769

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/12 LD_2, Kin 36.1

Events 2.45M | Charge 16.1C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.7% | Max NPS anode current (single crystal) 11.66 (μA)

Run Number: 6774 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 23:39 | Stop time (from RC): 00:14

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.17×10^6 | hTRIG3 rate 7574 | hTRIG4 rate 1501 | hTRIG5 rate 4092 | hTRIG6 rate 816

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/12, LD_2, Kin 36.1

Events 2.40 | Charge ____C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.8% | Max NPS anode current (single crystal) 11.57 (μA)

Run Number: 6775 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 00:16 | Stop time (from RC): 00:47

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.19×10^6 | hTRIG3 rate 7737 | hTRIG4 rate 1486 | hTRIG5 rate 3898 | hTRIG6 rate 812

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 4/12. LD_2, Kin 36.1

Events 2.50M | Charge 15.9mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.3% | Max NPS anode current (single crystal) 11.56 (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 / 05 / 12 (yy / mm / dd) Initials: BJL

Kinematics: KinC_x 36-1

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.37 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	3H07A Y	3H07C X	3H07C Y
1.80 mm	0.31 mm	0.70 mm	0.29 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS p: +/- 1.956 (From GUI) θ(TV): 28.34 (Nearest 0.005)

SHMS θ(TV): 27.90 (Nearest 0.005)

NPS θ = SHMS −16.30° 11.60 (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: 6776 | 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): 00:49 | Stop time (from RC): 01:19

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.17x10^6 | hTRIG3 rate: 7480 | hTRIG4 rate: 1473 | hTRIG5 rate: 3832 | hTRIG6 rate: 778

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 5/12, LD2, Kin36-1

Events: 2.52M | Charge: 6.7mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.8% | Max NPS anode current (single crystal): 11.28 (μA)

Run Number: 6777 | 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): 01:20 | Stop time (from RC): 01:48

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.18x10^6 | hTRIG3 rate: 7492 | hTRIG4 rate: 1438 | hTRIG5 rate: 3811 | hTRIG6 rate: 777

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6/12. LD2 Kin36-1 Stopped due to no beam

Events: 1.51M | Charge: 0.03mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.8% | Max NPS anode current (single crystal): 11.13 (μA)

Run Number: 6778 | 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): 02:14 | Stop time (from RC): 02:26

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.18x10^6 | hTRIG3 rate: 7547 | hTRIG4 rate: 1484 | hTRIG5 rate: 3911 | hTRIG6 rate: 773

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6/12. LD2 Kin36-1 Makeup run for 6777

Events: 0.9M | Charge: 6.35mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.8% | Max NPS anode current (single crystal): 11.35 (μA)

Run Number: 6779 | 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): 02:28 | Stop time (from RC): 02:59

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.18x10^6 | hTRIG3 rate: 7709 | hTRIG4 rate: 1534 | hTRIG5 rate: 3963 | hTRIG6 rate: 767

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 7/12, LD2, Kin36-1

Events: 2.64M | Charge: 17.62mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.8% | Max NPS anode current (single crystal): 11.61 (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 / 12 (yy / mm / dd) Initials: RJL

Kinematics: KinC_x 36-1

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.37 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A	X	Y
	1.80 mm	0.29 mm
Nomin:		Nomin:
3H07C	X	Y
	0.70 mm	0.28 mm
Nomin:		Nomin:

HMS

p: +R 1.956 (From GUI) θ(TV): 28.34 (Nearest 0.005)

SHMS

θ(TV): 27.80 (Nearest 0.005)

NPS

θ = SHMS −16.30° 11.50 (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: 6780 | 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): 03:00 Stop time (from RC): 03:31

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.18x10^6 hTRIG3 rate: 7617 hTRIG4 rate: 1521 hTRIG5 rate: 3919 hTRIG6 rate: 785

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 8/12, LD2, Kin36-1

Events 2.61M Charge 17.32mC Active trigger LiveTime fraction (NPS Scaler Gui): 99.8 % Max NPS anode current (single crystal): 11.58 (μA)

Run Number: 6781 | 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): 03:33 Stop time (from RC): 04:04

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.17x10^6 hTRIG3 rate: 7739 hTRIG4 rate: 1510 hTRIG5 rate: 3954 hTRIG6 rate: 799

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 9/12, LD2, Kin36-1

Events 2.64M Charge 17.37mC Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 % Max NPS anode current (single crystal): 11.03 (μA)

Run Number: 6782 | 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): 04:05 Stop time (from RC): 04:38

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 2.18x10^6 hTRIG3 rate: 7609 hTRIG4 rate: 1488 hTRIG5 rate: 3856 hTRIG6 rate: 786

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 10/12, LD2, Kin36-1

Events 2.52M Charge 16.90mC Active trigger LiveTime fraction (NPS Scaler Gui): 99.8 % Max NPS anode current (single crystal): 11.46 (μA)

Run Number: 6783 | 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): 04:40 Stop time (from RC): 05:11

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.17x10^6 hTRIG3 rate: 7792 hTRIG4 rate: 1520 hTRIG5 rate: 4025 hTRIG6 rate: 795

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 11/12, LD2, Kin36-1

Events 2.01M Charge 17.44mC Active trigger LiveTime fraction (NPS Scaler Gui): 99.8 % Max NPS anode current (single crystal): 11.71 (μA)

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24 / 05 / 12 (yy / mm / dd) Initials: PAL

Kinematics: KinC_x 36-1

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.37 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.80 mm	0.30 mm	0.71 mm	0.28 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS p: +5.1.956 (From GUI) θ(TV): 28.34 (Nearest 0.005)

SHMS θ(TV): 7.80 (Nearest 0.005)

NPS θ = SHMS −16.30° 11.50 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 968 Amp | NPS Upstream Corr. I = — Amp | NPS Upstream Corr. I = — Amp

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Run Number: 6784 | 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): 05:12 Stop time (from RC): 05:28

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.18×10^6 | hTRIG3 rate 7712 | hTRIG4 rate 1513 | hTRIG5 rate 3987 | hTRIG6 rate 798

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 12/12 LD2 Kin36-1 stopped due to no beam

Events 1.07M | Charge 0.98 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.80% | Max NPS anode current (single crystal) 11.47 (μA)

Run Number: 6785 | 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): 05:36 Stop time (from RC): 05:53

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.17×10^6 | hTRIG3 rate 7477 | hTRIG4 rate 1491 | hTRIG5 rate 3836 | hTRIG6 rate 762

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 12/12 LD2 Kin36-1 Makeup run for 6784

Events 1.47M | Charge 0.81 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.80% | Max NPS anode current (single crystal) 11.32 (μA)

Run Number: 6786 | I_{beam}: 16 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): 06:02 Stop time (from RC): 06:34

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate 1.80×10^6 | hTRIG3 rate 4136 | hTRIG4 rate 966 | hTRIG5 rate 1677 | hTRIG6 rate 421

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/6 LH2. Kin36-1

Events 1.64M | Charge 2.68 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.90% | Max NPS anode current (single crystal) 13.67 (μA)

Run Number: 6787 | I_{beam}: 16 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): 06:36 Stop time (from RC): 07:09

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate 1.80×10^6 | hTRIG3 rate 4222 | hTRIG4 rate 970. | hTRIG5 rate 1702 | hTRIG6 rate 413

☑ Data ok ☐ Junk

☑ coin_sparse ☐ in ☐ coin_sparse_low

Comments: 2/6. LH2. Kin36-1

Events 1.59M | Charge 2.59 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.90% | Max NPS anode current (single crystal) 13.36 (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 / 12 (yy / mm / dd) Initials: PJL

Kinematics: KinC_x 36-1

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.37 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A	X	Y
	1.80 mm	0.31 mm
Nomin:		

3H07C	X	Y
	0.69 mm	0.32 mm
Nomin:		

HMS p: +2.1956 From GUI θ(TV): 28.34 Nearest 0.005

SHMS θ(TV): 27.80 Nearest 0.005

NPS θ = SHMS −16.30° 11.50 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: 6788 | I_{beam}: 16 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): 07:10 | Stop time (from RC): 07:40

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.79x10^6 | hTRIG3 rate: 4240 | hTRIG4 rate: 969 | hTRIG5 rate: 1654 | hTRIG6 rate: 418

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☐ coin_sparse_low ☐

Comments: 3/6. LH2, Kin36-1

Events 1.71M | Charge 28.62 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 14.12 (μA)

Run Number: 6789 | I_{beam}: 16 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): 07:42 | Stop time (from RC): 08:13

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.80x10^6 | hTRIG3 rate: 4212 | hTRIG4 rate: 992 | hTRIG5 rate: 1671 | hTRIG6 rate: 410

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 4/6. LH2. Kin36-1

Events 1.65M | Charge 27.28 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 13.59 (μA)

Run Number: 6790 | I_{beam}: 16 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): 08:17 | Stop time (from RC): 08:48

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.81x10^6 | hTRIG3 rate: 4179.7 | hTRIG4 rate: 1012.7 | hTRIG5 rate: 1681.2 | hTRIG6 rate: 415.1

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 5/6, LH2

Events 1.72M | Charge 28.4 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.90 % | Max NPS anode current (single crystal): 13.84 (μA)

Run Number: 6791 | I_{beam}: 16 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): 08:51 | Stop time (from RC): 09:22

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.80x10^6 | hTRIG3 rate: 4212.9 | hTRIG4 rate: 981.4 | hTRIG5 rate: 1672.6 | hTRIG6 rate: 401.5

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 6/6, LH2

Events 1.69M | Charge 27.8 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.89 % | Max NPS anode current (single crystal): 13.44 (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 / 12 (yy / mm / dd) Initials: I.H.

Kinematics: KinC_x 36-1

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.371 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A	X	Y
	1.7994 mm	0.3091 mm
Nomin:		Nomin:
3H07C	X	Y
	0.7016 mm	0.2837 mm
Nomin:		Nomin:

HMS	SHMS	NPS
p: +R 1.956 (From GUI) θ(TV): 28.34 (Nearest 0.005)	θ(TV): 27.99 (Nearest 0.005)	θ = SHMS −16.30° 11.51 (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: 6792 | 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): 09:35 | Stop time (from RC): 10:10

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.11×10^6 | hTRIG3 rate: 2163.5 | hTRIG4 rate: 455.6 | hTRIG5 rate: 498.1 | hTRIG6 rate: 127.6

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/2 Dummy

Events 792 K | Charge 13.68 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.82% | Max NPS anode current (single crystal): 10.13 (μA)

Run Number: 6793 | 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): 10:12 | Stop time (from RC): 10:45

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 9.93×10^5 | hTRIG3 rate: 2235.9 | hTRIG4 rate: 472.9 | hTRIG5 rate: 506.1 | hTRIG6 rate: 127.4

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/2, Dummy

Events 812 K | Charge 14.05 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.96% | Max NPS anode current (single crystal): 10.89 (μA)

Run Number: 6794 | 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): 11:03 | Stop time (from RC): 11:36

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.16×10^6 | hTRIG3 rate: 7489.5 | hTRIG4 rate: 1480.7 | hTRIG5 rate: 3795.1 | hTRIG6 rate: 758.4

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/12, LD2

Events 2.6 M | Charge 17.8 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.83% | Max NPS anode current (single crystal): 10.99 (μA)

Run Number: 6795 | 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): 11:38 | Stop time (from RC): 12:13

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.18×10^6 | hTRIG3 rate: 7658.4 | hTRIG4 rate: 1456.4 | hTRIG5 rate: 3895.6 | hTRIG6 rate: 804.1

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/12, LD2

Events 2.8 M | Charge 19.4 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.87% | Max NPS anode current (single crystal): 11.53 (μA)

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24/05/12 (yy/mm/dd) Initials: I.H.

Kinematics: KinC_x 36.1

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.371 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	Y
1.807 mm	0.3046 mm
Nomin:	Nomin:
3H07C X	Y
0.6956 mm	0.3411 mm
Nomin:	Nomin:

HMS

p: +(E) 1.956 (From GUI) θ(TV): 28.34 (Nearest 0.005)

SHMS

θ(TV): 27.79 (Nearest 0.005)

NPS

θ = SHMS −16.30° 11.51 (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: 6796

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): 12:14

Stop time (from RC): 11:44

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.16×10^6 | hTRIG3 rate: 7766.8 | hTRIG4 rate: 1493.1

hTRIG5 rate: 3998.1 | hTRIG6 rate: 799.9

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/12 , LD2

Events 2.5M Charge 16.7mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.87%

Max NPS anode current (single crystal): 11.30 (μA)

Run Number: 6797

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): 12:46

Stop time (from RC): 03:16

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.17×10^6 | hTRIG3 rate: 7687.4 | hTRIG4 rate: 1524.4

hTRIG5 rate: 3905.0 | hTRIG6 rate: 787.4

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 4/12 , LD2

Events 2.43M Charge 16.5mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.71%

Max NPS anode current (single crystal): 11.26 (μA)

Run Number: 6798

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): 13:18

Stop time (from RC): 13:49

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.17×10^6 | hTRIG3 rate: 7542.6 | hTRIG4 rate: 1501.0

hTRIG5 rate: 3851.6 | hTRIG6 rate: 777.3

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 5/12 , LD2

Events 2.52M Charge 16.9mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.87%

Max NPS anode current (single crystal): 14.26 (μA)

Run Number: 6799

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): 13:50

Stop time (from RC): 14:22

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.18×10^6 | hTRIG3 rate: 7814.5 | hTRIG4 rate: 1491.0

hTRIG5 rate: 3915.4 | hTRIG6 rate: 780.3

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 6/12 , LD2

Events 2.6M Charge 17.4mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.89%

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

Use a separate sheet for each configuration.

Date: 21 / 05 / 12 (yy / mm / dd) Initials: J.H

Kinematics: KinC_x 36-1

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.370 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.789 mm (Nomin:)	0.329 mm (Nomin:)
3H07C	0.694 mm (Nomin:)	0.293 mm (Nomin:)

HMS p: +1.956 (From GUI) θ(TV): 28.34 (Nearest 0.005)

SHMS θ(TV): 27.79 (Nearest 0.005)

NPS θ = SHMS −16.30° = 11.51 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 466 Amp | NPS Upstream Corr. I = ___ Amp | NPS Upstream Corr. I = ___ Amp

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Run Number: 6800 | 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): 14:24 | Stop time (from RC): 14:57

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.17x10^6 | hTRIG3 rate: 7415.2 | hTRIG4 rate: 1487.5 | hTRIG5 rate: 3811.4 | hTRIG6 rate: 792.3

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 7/12, LD2

Events 2.6M | Charge 178mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.923% | Max NPS anode current (single crystal): 11.14 (μA)

Run Number: 6801 | 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): 15:01 | Stop time (from RC): 15:19

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.17x10^6 | hTRIG3 rate: 7438.1 | hTRIG4 rate: 1481.2 | hTRIG5 rate: 3865.0 | hTRIG6 rate: 792.1

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 8/12, LD2, 14 min with beam

Events 1.09M | Charge 7.1mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.94% | Max NPS anode current (single crystal): 10.49 (μA)

Run Number: 6802 | 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): 15:24 | Stop time (from RC): 15:47

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.17x10^6 | hTRIG3 rate: 7598.6 | hTRIG4 rate: 1503.6 | hTRIG5 rate: 3830.6 | hTRIG6 rate: 785.8

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 8/12, LD2, missing.

Events 1.6M | Charge 11.1mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.88% | Max NPS anode current (single crystal): 11.07 (μA)

Run Number: 6803 | 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): 15:50 | Stop time (from RC): 16:20

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.17x10^6 | hTRIG3 rate: 7840.9 | hTRIG4 rate: 1489.2 | hTRIG5 rate: 3879.8 | hTRIG6 rate: 775.1

☐ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 9/12, LD2

Events 2.5M | Charge ___C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.84% | 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: 24 / 5 / 12 (yy / mm / dd) Initials: MK

Kinematics: KinC_x 36-1

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6370 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- −1.956 (From GUI) θ(TV): 28.34 (Nearest 0.005)

SHMS θ(TV): 27.79 (Nearest 0.005)

NPS θ = SHMS −16.30° = 11.51 (Nearest 0.005)

Beam position and angle on target:

3H07A X	3H07A Y
1.761 mm (Nomin:)	0.358 mm (Nomin:)
3H07C X	**3H07C Y**
0.718 mm (Nomin:)	0.364 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: 6804 | 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): 16:22 | Stop time (from RC): 16:54

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.17·10^6 | hTRIG3 rate 7539 | hTRIG4 rate 1498 | hTRIG5 rate 3862 | hTRIG6 rate 757

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 10/12

Events 2.6m Charge 17 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 99.95%

Max NPS anode current (single crystal) 11.22 (μA)

Run Number: 6805 | 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): 16:55 | Stop time (from RC): 17:25

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.17·10^6 | hTRIG3 rate 7265 | hTRIG4 rate 1453 | hTRIG5 rate 3824 | hTRIG6 rate 731

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 11/12

Events 2.4m Charge 16 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 99.86%

Max NPS anode current (single crystal) 11.14 (μA)

Run Number: 6806 | 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: 6 PS5: -1 PS6: -1

Start time (from RC): 17:26 | Stop time (from RC): 17:58

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.16·10^6 | hTRIG3 rate 7594 | hTRIG4 rate 1499 | hTRIG5 rate 3919 | hTRIG6 rate 751

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 12/12

Events 2.6m Charge 17 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 99.90%

Max NPS anode current (single crystal) 11.20 (μA)

Run Number: 6807 | I_{beam}: 16 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): 18:11 | Stop time (from RC): 18:46

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.77·10^6 | hTRIG3 rate 4058 | hTRIG4 rate 989 | hTRIG5 rate 1681 | hTRIG6 rate 413

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/6

Events 1.8m Charge 30 C

Active trigger LiveTime fraction (NPS Scaler Gui) 99.96%

Max NPS anode current (single crystal) 13.4 (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: 24 / 5 / 12 (yy / mm / dd) Initials: MK

Kinematics: KinC_x 36_1

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.370 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- 1.956 (From GUI) θ(TV): 28.34 (Nearest 0.005)

SHMS θ(TV): 27.79 (Nearest 0.005)

NPS θ = SHMS −16.30° = 11.49 (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	1.80 mm	0.322 mm
Nomin:		Nomin:
3H07C	X	Y
	0.700 mm	0.305 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: 6808 | 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): 18:48 | Stop time (from RC): 19:20

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: $1.78 \cdot 10^6$ | hTRIG3 rate: 4087 | hTRIG4 rate: 954 | hTRIG5 rate: 1710 | hTRIG6 rate: 419

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/6

Events 1.5m | Charge 23 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 13.6 (μA)

Run Number: 6809 | 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): 19:21 | Stop time (from RC): 19:52

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: $1.77 \cdot 10^6$ | hTRIG3 rate: 4182 | hTRIG4 rate: 948 | hTRIG5 rate: 1672 | hTRIG6 rate: 415

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/6

Events 1.5m | Charge 25 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 13.01 (μA)

Run Number: 6810 | 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): 19:53 | Stop time (from RC): 20:23

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: $1.77 \cdot 10^6$ | hTRIG3 rate: 4037 | hTRIG4 rate: 957 | hTRIG5 rate: 1584 | hTRIG6 rate: 414

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4/6

Events 1.4m | Charge 24 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.87% | Max NPS anode current (single crystal): 12.94 (μA)

Run Number: 6811 | 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): 20:24 | Stop time (from RC): 20:58

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: $1.78 \cdot 10^6$ | hTRIG3 rate: 4067 | hTRIG4 rate: 964 | hTRIG5 rate: 1650 | hTRIG6 rate: 399

☑ Data ok ☐ Junk

☑ coin_sparse ☐ in ☐ coin_sparse_low

Comments: 5/6

Events 1.5m | Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.94% | Max NPS anode current (single crystal): 13.4 (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: 24 / 5 / 12 (yy / mm / dd) Initials: MK

Kinematics: KinC_x 36_1

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.370 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.803 mm	0.294 mm	0.705 mm	0.321 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS p: +/- -1.956 (From GUI) θ(TV): 28.34 (Nearest 0.005)

SHMS θ(TV): 27.79 (Nearest 0.005)

NPS θ = SHMS −16.30° = 11.49 (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: 6812 | I_{beam}: 16 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): 21:00 | Stop time (from RC): 21:29

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: $1.78 \cdot 10^6$ | hTRIG3 rate: 4153 | hTRIG4 rate: 967 | hTRIG5 rate: 1663 | hTRIG6 rate: 426

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 6/6

Events 1.6M Charge 26 C

Active trigger LiveTime fraction (NPS Scaler Gui): 97.01 %

Max NPS anode current (single crystal): 13.16 (μA)

Run Number: 6813 | I_{beam}: _____ μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☑ Out of Beam

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: 0

Start time (from RC): 22:31 | Stop time (from RC): 23:41

☐ Settings Verified? ☐ HV OK? ☐ 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Bcm Calibration

Events _____ Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 6814 | 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): 23:57 | Stop time (from RC): 00:28

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: $1.07 \cdot 10^6$ | hTRIG3 rate: 2146 | hTRIG4 rate: 451 | hTRIG5 rate: 572 | hTRIG6 rate: 130

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/2 Dummy. Kin36_1

Events 0.71M Charge 12.24 C

Active trigger LiveTime fraction (NPS Scaler Gui): 98.9 %

Max NPS anode current (single crystal): 11.45 (μA)

Run Number: 6815 | 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): 00:30 | Stop time (from RC): 01:01

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.03×10^6 | hTRIG3 rate: >168 | hTRIG4 rate: 463 | hTRIG5 rate: 508 | hTRIG6 rate: 129

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/2 Dummy. Kin36_1

Events 0.79M Charge 14.0 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 %

Max NPS anode current (single crystal): 11.05 (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 / 13 (yy / mm / dd) Initials: PJL

Kinematics: KinC_x 36-1

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.37 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.800 mm (Nomin:)	0.289 mm (Nomin:)
3H07C	0.706 mm (Nomin:)	0.284 mm (Nomin:)

HMS p: +(-) 1.956 From GUI θ(TV): 28.34 Nearest 0.005

SHMS θ(TV): 27.79 Nearest 0.005

NPS θ = SHMS −16.30° 11.49 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: 6816 | 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): 01:11 | Stop time (from RC): 01:44

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.17×10^6 | hTRIG3 rate: 7487 | hTRIG4 rate: 1490 | hTRIG5 rate: 3845 | hTRIG6 rate: 746

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/12 LD2. Kin36-1.

Events 2.48M | Charge 6.59 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.90%

Max NPS anode current (single crystal): 11.15 (μA)

Run Number: 6817 | 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): 01:45 | Stop time (from RC): 02:23

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.17×10^6 | hTRIG3 rate: 7498 | hTRIG4 rate: 1493 | hTRIG5 rate: 3801 | hTRIG6 rate: 784

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/12 LD2. Kin36-1

Events 2.50 | Charge 7.96 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.90%

Max NPS anode current (single crystal): 11.05 (μA)

Run Number: 6818 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 02:24 | Stop time (from RC): 02:55

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.17×10^6 | hTRIG3 rate: 7599 | hTRIG4 rate: 1493 | hTRIG5 rate: 3832 | hTRIG6 rate: 761

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/12. LD2. Kin36-1

Events 2.56M | Charge 7.44 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.90%

Max NPS anode current (single crystal): 11.15 (μA)

Run Number: 6819 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 02:56 | Stop time (from RC): 03:38

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.17×10^6 | hTRIG3 rate: 7503 | hTRIG4 rate: 1461 | hTRIG5 rate: 3825 | hTRIG6 rate: 762

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 4/12. LD2. Kin36-1

Events 2.53M | Charge 6.78 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.8%

Max NPS anode current (single crystal): 11.01 (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 / 05 / 13 (yy / mm / dd) Initials: PJL

Kinematics: KinC_x 36-1

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.37 GeV

Raster: ☑ On ☐ Off Size: 2×2

HMS p: +10 1.956 (From GUI) θ(TV): 28.34 (Nearest 0.005)

SHMS θ(TV): 27.79 (Nearest 0.005)

NPS θ = SHMS −16.30° 11.49 (Nearest 0.005)

Beam position and angle on target:

3H07A X	3H07A Y
1.793 mm (Nomin:)	0.278 mm (Nomin:)
3H07C X	3H07C Y
0.694 mm (Nomin:)	0.280 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: 6820 | 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): 03:29 | Stop time (from RC): 03:47

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.17×10^6 | hTRIG3 rate 7531 | hTRIG4 rate 1502 | hTRIG5 rate 3813 | hTRIG6 rate 765

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 5/12 LD2 Kin 36-1 stopped due to no beam

Events 1.16M | Charge 7.48 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.5% | Max NPS anode current (single crystal) 11.29 (μA)

Run Number: 6821 | 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): 04:47 | Stop time (from RC): 05:04

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.17×10^6 | hTRIG3 rate 7610 | hTRIG4 rate 1472 | hTRIG5 rate 3842 | hTRIG6 rate 762

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 5/12. LD2. Kin 36-1 Makeup run for 6820

Events 1.34M | Charge 9.10 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 10.48 (μA)

Run Number: 6822 | 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): 05:05 | Stop time (from RC): 05:42

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.17×10^6 | hTRIG3 rate 7464 | hTRIG4 rate 1461 | hTRIG5 rate 3809 | hTRIG6 rate 767

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 6/12. LD2 Kin 36-1

Events 2.59M | Charge 16.97 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.8% | Max NPS anode current (single crystal) 11.08 (μA)

Run Number: 6823 | 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): 05:43 | Stop time (from RC): 06:04

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.16×10^6 | hTRIG3 rate 7431 | hTRIG4 rate 1478 | hTRIG5 rate 3791 | hTRIG6 rate 739

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 7/12. LD2. Kin 36-1

Events 2.58M | Charge 17.20 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | 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 / 05 / 13 (yy / mm / dd) Initials: RTL

Kinematics: KinC_x 36-1

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.37 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	3H07A Y
1.807 mm (Nomin:)	0.297 mm (Nomin:)
3H07C X	3H07C Y
0.709 mm (Nomin:)	0.292 mm (Nomin:)

HMS p: +10 1.956 (From GUI) θ(TV): 28.34 (Nearest 0.005)

SHMS θ(TV): 27.79 (Nearest 0.005)

NPS θ = SHMS −16.30° 11.49 (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: 6824 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 06:16 | Stop time (from RC): 06:49

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.17×10^6 | hTRIG3 rate: 7643 | hTRIG4 rate: 1483 | hTRIG5 rate: 3888 | hTRIG6 rate: 758

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 8/12. LD2. Kin36-1

Events 2.53M | Charge 16.5 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.8% | Max NPS anode current (single crystal): 11.12 (μA)

Run Number: 6825 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 06:50 | Stop time (from RC): 07:08

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.17×10^6 | hTRIG3 rate: 7650 | hTRIG4 rate: 1506 | hTRIG5 rate: 3883 | hTRIG6 rate: 774

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 9/12. LD2. Kin36-1 Stopped due to no beam

Events 0.88M | Charge 5.7 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.8% | Max NPS anode current (single crystal): 11.27 (μA)

Run Number: 6826 | 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): 07:13 | Stop time (from RC): 07:33

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.17×10^6 | hTRIG3 rate: 7536 | hTRIG4 rate: 1486 | hTRIG5 rate: 3813 | hTRIG6 rate: 764

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 9/12. LD2 Kin36-1 Makeup run for 6825

Events 1.63M | Charge 10.7 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.7% | Max NPS anode current (single crystal): 11.00 (μA)

Run Number: 6827 | 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): 07:34 | Stop time (from RC): 07:48

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.17×10^6 | hTRIG3 rate: 7486 | hTRIG4 rate: 1480 | hTRIG5 rate: 3722 | hTRIG6 rate: 767

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 10/12. LD2 Kin36-1 Stopped due to no beam

Events 0.72M | Charge 4.67 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.7% | Max NPS anode current (single crystal): 10.99 (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 / 05 / 13 (yy / mm / dd) **Initials:** A. Hogh

Kinematics: KinC_x 36-1

Purpose: ☐ Production ☐ Test ☐ Optics ☑ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.370 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +4.042 (From GUI) θ(TV): 24.86 (Nearest 0.005)

SHMS θ(TV): 37.49 (Nearest 0.005)

NPS θ = SHMS −16.30° = 11.49 (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	1.8 mm	0.3 mm
Nomin:		Nomin:

3H07C	X	Y
	0.71 mm	0.29 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: 6828 | I_{beam}: 20 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 10:03 | Stop time (from RC): 10:37

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.92e5 | hTRIG3 rate: 182 | hTRIG4 rate: 100 | hTRIG5 rate: 42 | hTRIG6 rate: 42

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Elastic 1/3 LH2, 58 Hz

Events 188k | Charge 32.87 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 1.72 (μA)

Run Number: 6829 | I_{beam}: 20 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 10:39 | Stop time (from RC): 11:12

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.98e5 | hTRIG3 rate: 185.8 | hTRIG4 rate: 105.6 | hTRIG5 rate: 44.7 | hTRIG6 rate: 42.9

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Elastic 2/3 LH2, 58 Hz

Events 191k | Charge 35.98 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 2.11 (μA)

Run Number: 6830 | 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): 11:13 | Stop time (from RC): 11:48

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.97e5 | hTRIG3 rate: 188 | hTRIG4 rate: 95.4 | hTRIG5 rate: 44.4 | hTRIG6 rate: 41.7

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Elastic 3/3 LH2, 58 Hz

Events 203k | Charge 37.72 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 2.11 (μA)

Run Number: 6831 | 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): 12:01 | Stop time (from RC): 12:38

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.07e5 | hTRIG3 rate: 186 | hTRIG4 rate: 105 | hTRIG5 rate: 47 | hTRIG6 rate: 42.7

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Elastic 1/3 LH2, 52 Hz

Events 216k | Charge 38.54 C | Active trigger LiveTime fraction (NPS Scaler Gui): 100 | Max NPS anode current (single crystal): 1.71 (μA)

$p(e,e'\gamma)\,p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24/05/13 (yy/mm/dd) **Initials:** A.Hogh

Kinematics: KinC_x 36_1

Purpose: ☐ Production ☐ Test ☐ Optics ☑ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.370 GeV

Raster: ☑ On ☐ Off Size: 2×2

HMS p: +4.042 (From GUI) θ(TV): 24.86 (Nearest 0.005)

SHMS θ(TV): 37.49 (Nearest 0.005)

NPS θ = SHMS −16.30° 11.49 (Nearest 0.005)

Beam position and angle on target:

	X	Y
3H07A	1.8 mm (Nomin:)	0.28 mm (Nomin:)
3H07C	0.69 mm (Nomin:)	0.31 mm (Nomin:)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468 Amp | NPS Upstream Corr. I = 0 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 6832 | 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): 12:39 | Stop time (from RC): 13:12

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.14 e5 | hTRIG3 rate 189 | hTRIG4 rate 101 | hTRIG5 rate 40 | hTRIG6 rate 42.2

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Elastic 2/3 LH2, 52 Hz

Events _____ Charge ~~3.23~~ C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 1.94 (μA)

Run Number: 6833 | 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): 13:13 | Stop time (from RC): 13:45

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.1 e5 | hTRIG3 rate 193.5 | hTRIG4 rate 111.6 | hTRIG5 rate 47.4 | hTRIG6 rate 43.2

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Elastic 3/3 LH2, 52 Hz

Events 181K Charge 32.04 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 1.95 (μA)

Run Number: 6834 | 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): 13:53 | Stop time (from RC): 14:35

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.12e5 | hTRIG3 rate 185 | hTRIG4 rate 103 | hTRIG5 rate 46.7 | hTRIG6 rate 42.2

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Elastic 1/3 LH2, 48 Hz

Events 248K Charge 45.13 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 1.89 (μA)

Run Number: 6835 | 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): 14:38 | Stop time (from RC): 15.08

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.13e5 | hTRIG3 rate 184.7 | hTRIG4 rate 112.9 | hTRIG5 rate 47.2 | hTRIG6 rate 41.5

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Elastic 2/3 LH2, 48 Hz

Events 173K Charge 30.95 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 1.95 (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: 24/05/13 (yy/mm/dd) Initials: A.Hogh

Kinematics: KinC_x 36-1

Purpose:
- ☐ Production
- ☐ Test
- ☐ Optics
- ☑ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.370 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A	X	Y
	1.8 mm	0.28 mm
Nomin:		

3H07C	X	Y
	0.69 mm	0.31 mm
Nomin:		

HMS
p: 4.042 (From GUI) θ(TV): 24.86 (Nearest 0.005)

SHMS
θ(TV): 37.49 (Nearest 0.005)

NPS
θ = SHMS −16.30°: 11.49 (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: 6836
I_{beam}: 20 μA
☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____
PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1
Start time (from RC): 15:09
Stop time (from RC): 15:44
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate: 2.16e5 hTRIG3 rate: 196 hTRIG4 rate: 106
hTRIG5 rate: 44.7 hTRIG6 rate: 41.5
☑ Data ok ☐ Junk
☑ coin_sparse ☐ coin ☐ coin_sparse_low
Comments: Elastic 3/3 LH2, 48Hz
Events 211K Charge 40C
Active trigger LiveTime fraction (NPS Scaler Gui): 100
Max NPS anode current (single crystal): 1.50 (μA)

Run Number: 6837
I_{beam}: 20 μA
☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____
PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1
Start time (from RC): 16:45
Stop time (from RC): _____
☑ Settings Verified? ☑ HV OK? ☐ 50k OK?
hTRIG1 rate: 2.74×10^5 hTRIG3 rate: 202 hTRIG4 rate: 123
hTRIG5 rate: 49 hTRIG6 rate: 45
☐ Data ok ☑ Junk
☑ coin_sparse ☐ coin ☐ coin_sparse_low
Comments: Elastic 1/3 LH2, 42Hz
Events _____ Charge _____C
Active trigger LiveTime fraction (NPS Scaler Gui): 100%
Max NPS anode current (single crystal): 2.30 (μA)

Run Number: 6838
I_{beam}: 20 μA
☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____
PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1
Start time (from RC): 16:53
Stop time (from RC): 17:31
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate: 2.64×10^5 hTRIG3 rate: 202 hTRIG4 rate: 113
hTRIG5 rate: 50 hTRIG6 rate: 44
☑ Data ok ☐ Junk Good Run
☑ coin_sparse ☐ coin ☐ coin_sparse_low
Comments: 1/3 LH2, 42Hz
Events 238K Charge 38.8C
Active trigger LiveTime fraction (NPS Scaler Gui): 100%
Max NPS anode current (single crystal): 2.45 (μA)

Run Number: 6839
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): 17:32
Stop time (from RC): 18:03
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate: 2.72×10^5 hTRIG3 rate: 202 hTRIG4 rate: 110
hTRIG5 rate: 48 hTRIG6 rate: 43
☑ Data ok ☐ Junk
☑ coin_sparse ☐ coin ☐ coin_sparse_low
Comments: 2/3 LH2, 42Hz
Events 200K Charge 35C
Active trigger LiveTime fraction (NPS Scaler Gui): 100%
Max NPS anode current (single crystal): 2.28 (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 / 13 (yy / mm / dd) Initials: H.M.

Kinematics: KinC_x_____

Purpose: ☐ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.370 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/-_____ From GUI θ(TV): _____ Nearest 0.005

SHMS θ(TV): _____ Nearest 0.005

NPS θ = SHMS −16.30° _____ Nearest 0.005

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.80 mm	0.33 mm	0.70 mm	0.35 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

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Run Number: 6840 | 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): 18:04 | Stop time (from RC): 18:35

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.80x10^5 | hTRIG3 rate 217 | hTRIG4 rate 111 | hTRIG5 rate 51 | hTRIG6 rate 46

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/3, LH_2 42Hz

Events 201K | Charge 34C | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 2.35 (μA)

Run Number: 6841 | 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): 19:34 | Stop time (from RC): 20:39

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate 3.28x10^5 | hTRIG3 rate 80 | hTRIG4 rate 45 | hTRIG5 rate 42 | hTRIG6 rate 41

☐ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments: HMS @ = 37.72, P = -2.683 SHMS, P = 36.83, Coin LH_2 coin Spectrum, Elastic

Events 176K | Charge 66C | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 2.47 (μA)

Run Number: 6842 | 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): 20:44 | Stop time (from RC): 21:01

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.44x10^5 | hTRIG3 rate 104 | hTRIG4 rate 47 | hTRIG5 rate 42 | hTRIG6 rate 40

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments: coin Dummy Special elastic

Events 46K | Charge 18.6C | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 3.58 (μA)

Run Number: 6843 | 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): 21:40

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 9.51x10^5 | hTRIG3 rate 119 | hTRIG4 rate 53 | hTRIG5 rate 55 | hTRIG6 rate 44

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☑ coin_sparse_low ☐

Comments: coin LD_2 Special Elastic

Events 94K | Charge 35C | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 3.32 (μA)

$p(e,e'\gamma)\,p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24 / 05 / 13 (yy / mm / dd) Initials: H. M.

Kinematics: KinC_x50.0_Lumi

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: Lumi

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.37 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	3H07A Y
1.80 mm (Nomin:)	0.30 mm (Nomin:)
3H07C X	3H07C Y
0.70 mm (Nomin:)	0.29 mm (Nomin:)

HMS

p: +/- 2.638 (From GUI) θ(TV): 25.94 (Nearest 0.005)

SHMS

θ(TV): 32.30 (Nearest 0.005)

NPS

θ = SHMS −16.30°: 16.0 (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: 6844

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: _____ PS5: -1 PS6: -1

Start time (from RC): 22:02

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 is low Rate is too LOW

Events _____ Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): —

Max NPS anode current (single crystal): — (μA)

Run Number: 6845

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: 0 PS5: -1 PS6: -1

Start time (from RC): 22:16

Stop time (from RC): 22:27

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 26148 hTRIG3 rate: 448 hTRIG4 rate: 223

hTRIG5 rate: 47 hTRIG6 rate: 42

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Kin 50.0_Lumi 5μA

Events 132K Charge 2.8C

Active trigger LiveTime fraction (NPS Scaler Gui): —

Max NPS anode current (single crystal): — (μA)

Run Number: 6846

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): 22:29

Stop time (from RC): 22:39

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.19×10^5 hTRIG3 rate: 1800 hTRIG4 rate: 966

hTRIG5 rate: 99 hTRIG6 rate: 62

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Kin. 50.0_Lumi 20μA

Events 484K Charge 11.7C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9%

Max NPS anode current (single crystal): 1.43 (μA)

Run Number: 6847

I_{beam}: 15 μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☑ C 0.5% rl.I ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: -1

Start time (from RC): 22:40

Stop time (from RC): 22:50

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 86055 hTRIG3 rate: 1307 hTRIG4 rate: 626

hTRIG5 rate: 79 hTRIG6 rate: 55

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Kin 50.0_Lumi 15μA

Events 329K Charge 7.5C

Active trigger LiveTime fraction (NPS Scaler Gui): 100%

Max NPS anode current (single crystal): 1.43 (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: 24/05/13 (yy/mm/dd) Initials: H. M.

Kinematics: KinC_x50_0_Lumi

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.370 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.80 mm (Nomin:)	0.23 mm (Nomin:)
3H07C	0.70 mm (Nomin:)	0.30 mm (Nomin:)

HMS

p: +/- 2.638 From GUI; θ(TV): 21.05 Nearest 0.005

SHMS

θ(TV): 32.30 Nearest 0.005

NPS

θ = SHMS −16.30° = 16.0 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: 6848 | I_{beam}: 10 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): 22:52 | Stop time (from RC): 23:02

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 57483 | hTRIG3 rate: 918 | hTRIG4 rate: 424 | hTRIG5 rate: 63 | hTRIG6 rate: 47

☐ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: kin 50_0_Lumi, 10 μA

Events 216K | Charge 4.9C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 0.84 (μA)

Run Number: 6849 | I_{beam}: 3 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): 23:12 | Stop time (from RC): 23:27

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 15406 | hTRIG3 rate: 291 | hTRIG4 rate: 148 | hTRIG5 rate: 45 | hTRIG6 rate: 42

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: kin 50_0_Lumi, 3μA

Events 95K | Charge 1.6C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 0.93 (μA)

Run Number: 6850 | I_{beam}: 5 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): 00:19 | Stop time (from RC): 00:29

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.08×10^5 | hTRIG3 rate: 525 | hTRIG4 rate: >85 | hTRIG5 rate: 67 | hTRIG6 rate: 53

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 10 min. run. kin 50_0_Lumi

Events 0.17M | Charge 2.22C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 1.69 (μA)

Run Number: 6851 | I_{beam}: 20 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): 00:32 | Stop time (from RC): 00:43

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.19×10^6 | hTRIG3 rate: 1855 | hTRIG4 rate: 977 | hTRIG5 rate: 510 | hTRIG6 rate: >76

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 10 min. run. kin 50_0_2nm1

Events 558K | Charge 11.73C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 5.66 (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 / 05 / 14 (yy / mm / dd) Initials: PJL

Kinematics: KinC_x 50.0_Lumi

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.370 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	3H07A Y
1.804 mm Nomin:	0.337 mm Nomin:
3H07C X	**3H07C Y**
0.705 mm Nomin:	0.317 mm Nomin:

HMS

p: +02.638 From GUI θ(TV): 25.94 Nearest 0.005

SHMS

θ(TV): 32.30 Nearest 0.005

NPS

θ = SHMS −16.30° 16.0 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: 6852 | 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): 00:46 Stop time (from RC): 00:56

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 7.46x10^5 hTRIG3 rate: 1405 hTRIG4 rate: 728 hTRIG5 rate: 251 hTRIG6 rate: 148

☑ Data ok ☐ Junk

coin_sparse ☐ coin ☐ coin_sparse_low ☐

Comments: 10 min. run. Kin. 50.0 Lumi

Events 441K Charge 9.10 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100 %

Max NPS anode current (single crystal): 4.37 (μA)

Run Number: 68583 | I_{beam}: 10 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 00:59 Stop time (from RC): 01:09

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 4.58x10^5 hTRIG3 rate: 959 hTRIG4 rate: 497 hTRIG5 rate: 129 hTRIG6 rate: 84

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 10 min run. Kin 50.0 Lumi

Events 320K Charge 6.20 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100 %

Max NPS anode current (single crystal): 2.97 (μA)

Run Number: 6854 | 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): 01:12 Stop time (from RC): 01:23

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.26x10^5 hTRIG3 rate: 345 hTRIG4 rate: 192 hTRIG5 rate: 52 hTRIG6 rate: 46

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 10 min run. Kin_50.0_Lumi

Events 118K Charge 2.14 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100 %

Max NPS anode current (single crystal): 1.34 (μA)

Run Number: 6855 | 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): 01:35 Stop time (from RC): 02:07

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 3.45x10^5 hTRIG3 rate: 941.4 hTRIG4 rate: 393 hTRIG5 rate: 109 hTRIG6 rate: 60

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ n_sparse_low ☐

Comments: Kin 50.0

Events 686K Charge 7.61 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100 %

Max NPS anode current (single crystal): 4.31 (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 / 05 / 14 (yy / mm / dd) Initials: PJL

Kinematics: KinC_x 50.0

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.370 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS: p: +/- 2.638 (From GUI) θ(TV): 25.94 (Nearest 0.005)

SHMS: θ(TV): 32.30 (Nearest 0.005)

NPS: θ = SHMS −16.30° = 16.0 (Nearest 0.005)

Beam position and angle on target:

3H07A X	3H07A Y
1.797 mm (Nomin:)	0.376 mm (Nomin:)
3H07C X	**3H07C Y**
0.702 mm (Nomin:)	0.315 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: 6856 | I_{beam}: 10 μA | LH2 10cm ☐ | LD2 10cm ☑ | Dummy 10cm ☐ | Optics#1 8cm ☐ | C 0.5% rl.l ☐ | PS1: -1 | PS2: -1 | PS3: -1 | PS4: 0 | PS5: -1 | PS6: -1 | Start time (from RC): 02:17 | Stop time (from RC): 02:49 | Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑ | hTRIG1 rate 1.08x10^6 | hTRIG3 rate >263 | hTRIG4 rate 986 | hTRIG5 rate 546 | hTRIG6 rate >46 | Data ok ☑ | Junk ☐ | coin_sparse ☑ | coin ☐ | coin_sparse_low ☐ | Comments: Kin_50_0 1/3 LD_2. | Events 1.76M | Charge 17.8mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.5% | Max NPS anode current (single crystal) 3.59 (μA)

Run Number: 6857 | I_{beam}: 10 μA | LH2 10cm ☐ | LD2 10cm ☑ | Dummy 10cm ☐ | Optics#1 8cm ☐ | C 0.5% rl.l ☐ | PS1: -1 | PS2: -1 | PS3: -1 | PS4: 0 | PS5: -1 | PS6: -1 | Start time (from RC): 02:51 | Stop time (from RC): 03:27 | Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑ | hTRIG1 rate 1.09x10^6 | hTRIG3 rate >289 | hTRIG4 rate 972 | hTRIG5 rate 537 | hTRIG6 rate 242 | Data ok ☑ | Junk ☐ | coin_sparse ☑ | coin ☐ | coin_sparse_low ☐ | Comments: 2/3 LD_2. Kin50_0 | Events 1.77M | Charge 17.53mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9%. | Max NPS anode current (single crystal) 3.52 (μA)

Run Number: 6858 | 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): 03:23 | Stop time (from RC): 03:58 | Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑ | hTRIG1 rate 1.07x10^6 | hTRIG3 rate 2303 | hTRIG4 rate 972 | hTRIG5 rate 536 | hTRIG6 rate >50 | Data ok ☑ | Junk ☐ | coin_sparse ☑ | coin ☐ | coin_sparse_low ☐ | Comments: 3/3 LD_2. Kin 50_0 | Events 1.74M | Charge 17.47mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 3.71 (μA)

Run Number: 6859 | I_{beam}: 70 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): 04:06 | Stop time (from RC): 04:40 | Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑ | hTRIG1 rate 1.14x10^6 | hTRIG3 rate 1829 | hTRIG4 rate 938 | hTRIG5 rate 479 | hTRIG6 rate >58 | Data ok ☑ | Junk ☐ | coin_sparse ☑ | coin ☐ | coin_sparse_low ☐ | Comments: 1/3 LH_2. Kin 50_0 | Events 1.62M | Charge 33.16mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 5.54 (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 / 05 / 14 (yy / mm / dd) Initials: PJL

Kinematics: KinC_x 50.0

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.371 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- 2.638 From GUI θ(TV): 25.94 Nearest 0.005

SHMS θ(TV): 32.30 Nearest 0.005

NPS θ = SHMS −16.30° 16.0 Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
	1.800 mm	0.299 mm
Nomin:		Nomin:

3H07C	X	Y
	0.706 mm	0.710 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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Run Number: 6860 | I_{beam}: 70 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): 04:41 | Stop time (from RC): 05:13

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.15×10^6 | hTRIG3 rate 1857 | hTRIG4 rate 962 | hTRIG5 rate 480 | hTRIG6 rate 263

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/3 LH2. Kin50_0

Events 1.03M | Charge 33.57 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100 % | Max NPS anode current (single crystal) 5.41 (μA)

Run Number: 6861 | I_{beam}: 70 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): 05:14 | Stop time (from RC): 05:46

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.12×10^6 | hTRIG3 rate 1874 | hTRIG4 rate 955 | hTRIG5 rate 486 | hTRIG6 rate 252

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/3 LH2. Kin50_0

Events 1.60M | Charge 52.93 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9 % | Max NPS anode current (single crystal) 5.60 (μA)

Run Number: 6862 | 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): 05:52 | Stop time (from RC): 06:24

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 3.47×10^5 | hTRIG3 rate 957 | hTRIG4 rate 382 | hTRIG5 rate 112 | hTRIG6 rate 68

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Dummy. Kin50_0.

Events 664 K | Charge 16.84 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100 % | Max NPS anode current (single crystal) 4.35 (μA)

Run Number: 6863 | I_{beam}: 10 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: 1 PS2: 1 PS3: 1 PS4: 0 PS5: 1 PS6: 1

Start time (from RC): 06:34 | Stop time (from RC): 07:00

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.09×10^6 | hTRIG3 rate 2287 | hTRIG4 rate 993 | hTRIG5 rate 557 | hTRIG6 rate 255

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ n_sparse_low

Comments: 1/3 LD2. Kin50_0

Events 1.33M | Charge 13.10 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9 % | Max NPS anode current (single crystal) 3.61 (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: 14 / 05 / 14 (yy / mm / dd) Initials: mrc

Kinematics: KinC_x 50-1

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8458 GeV

Raster: ☑ On ☐ Off Size: 2mm x 2mm

Beam position and angle on target:

3H07A	X	Y
	1.80 mm (Nomin:)	0.30 mm (Nomin:)
3H07C	X	Y
	0.70 mm (Nomin:)	0.31 mm (Nomin:)

HMS: p: +/- -4.726 (From GUI) θ(TV): 16.74 (Nearest 0.005)

SHMS: θ(TV): 35.29 (Nearest 0.005)

NPS: θ = SHMS −16.30° 18.99 (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: 6864 | I_{beam}: 5 μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ C Hole

PS1: -1 PS2: -1 PS3: -1 PS4: 1 PS5: -1 PS6: -1

Start time (from RC): 19:04 Stop time (from RC): 19:29

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 11582 | hTRIG3 rate 220 | hTRIG4 rate 171 | hTRIG5 rate 44 | hTRIG6 rate 43

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Carbon Hole Raster 3x3

Events 106 Charge ____C | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 0.3 (μA)

Run Number: 6865 | I_{beam}: 5 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: Carbon Hole

Events ____ Charge ____C | Active trigger LiveTime fraction (NPS Scaler Gui) ____ | Max NPS anode current (single crystal) ____ (μA)

Run Number: 6866 | 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: -1

Start time (from RC): 19:37 Stop time (from RC): 19:44

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.03×10^5 | hTRIG3 rate 1930 | hTRIG4 rate 1349 | hTRIG5 rate 136 | hTRIG6 rate 108

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: ~~Raster 3x3~~ Dummy

Events 210K Charge 3 C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 3.30 (μA)

Run Number: 6867 | 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: -1

Start time (from RC): 19:45 Stop time (from RC): 20:16

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.06×10^5 | hTRIG3 rate 1898 | hTRIG4 rate 1408 | hTRIG5 rate 136 | hTRIG6 rate 106

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ n_sparse_low

Comments: Dummy Raster 2x2

Events 1.1M Charge 18C | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 1.76 (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: 24/05/14 (yy/mm/dd) Initials: H.M.

Kinematics: KinC_x 50_1

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	3H07A Y
1.79 mm	0.29 mm
Nomin:	Nomin:
3H07C X	3H07C Y
0.70 mm	0.29 mm
Nomin:	Nomin:

HMS: p: +/- 4.726 (From GUI) θ(TV): 16.74 (Nearest 0.005)

SHMS: θ(TV): 35.29 (Nearest 0.005)

NPS: θ = SHMS −16.30° = 18.99 (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: 6868 | 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: -1

Start time (from RC): 20:24 | Stop time (from RC): 20:55

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 7.68x10^5 | hTRIG3 rate: 5021 | hTRIG4 rate: 3734 | hTRIG5 rate: 831 | hTRIG6 rate: 631

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/3 LD_2

Events 3.15M | Charge 16.4C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 2.28 (μA)

Run Number: 6869 | 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: -1

Start time (from RC): 20:56 | Stop time (from RC): 21:26

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 7.71x10^5 | hTRIG3 rate: 5124 | hTRIG4 rate: 3742 | hTRIG5 rate: 839 | hTRIG6 rate: 640

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/3 LD_2

Events 3.34M | Charge 17.6C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 2.27 (μA)

Run Number: 6870 | 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: -1

Start time (from RC): 21:27 | Stop time (from RC): 21:58

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 7.87x10^5 | hTRIG3 rate: 5131 | hTRIG4 rate: 3856 | hTRIG5 rate: 913 | hTRIG6 rate: 693

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/3 LD_2

Events 2.9M | Charge 15C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 2.24 (μA)

Run Number: 6871 | 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: 1 PS5: -1 PS6: -1

Start time (from RC): 22:07 | Stop time (from RC): 22:37

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 6.99x10^5 | hTRIG3 rate: 4884 | hTRIG4 rate: 3861 | hTRIG5 rate: 759 | hTRIG6 rate: 636

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/3 LH_2

Events 2.9M | Charge 28.8 | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 2.41 (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: 24/05/14 (yy/mm/dd) Initials: H.M.

Kinematics: KinC_x 50_1

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.81 mm	0.31 mm	0.70 mm	0.30 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS: p: +/- 4.726 (From GUI) θ(TV): 16.74 (Nearest 0.005)

SHMS: θ(TV): 35.29 (Nearest 0.005)

NPS: θ = SHMS −16.30° 18.99 (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: 6872

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: 1 PS5: -1 PS6: -1

Start time (from RC): 22:38

Stop time (from RC): 23:07

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 7.04x10^5 hTRIG3 rate: 5002 hTRIG4 rate: 3907

hTRIG5 rate: 751 hTRIG6 rate: 629

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/3 LH_2

Events 3.3M Charge 32 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9%

Max NPS anode current (single crystal): 3.00 (μA)

Run Number: 6873

beam: 20 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): 23:08

Stop time (from RC): 23:39

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 7.02x10^5 hTRIG3 rate: 4980 hTRIG4 rate: 3884

hTRIG5 rate: 785 hTRIG6 rate: 630

☐ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/3 LH_2

Events 3.5 Charge 35C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9%

Max NPS anode current (single crystal): 3.15 (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'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24 / 05 / 15 (yy / mm / dd) Initials: GV

Kinematics: KinC_x36_2

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 3.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.91 mm (Nomin: 1.85)	0.323 mm (Nomin: 0.3)
3H07C	0.705 mm (Nomin: 0.75)	0.296 mm (Nomin: 0.3)

HMS: p: +/- 4.042 (From GUI) θ(TV): 17.01 (Nearest 0.005)

SHMS: θ(TV): 30.665 (Nearest 0.005)

NPS: θ = SHMS 14.365 −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: 6874 | 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: -1

Start time (from RC): 00:29 | Stop time (from RC): 01:00

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 7.23e+05 | hTRIG3 rate: 3017.7 | hTRIG4 rate: 1798.6 | hTRIG5 rate: 505.0 | hTRIG6 rate: 318.7

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Dummy 2/1

Events 1.39 M | Charge 14.4 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 5.24 (μA)

Run Number: 6875 | 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: -1

Start time (from RC): 01:09 | Stop time (from RC): 01:40

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.04e+06 | hTRIG3 rate: 4396.2 | hTRIG4 rate: 5117.1 | hTRIG5 rate: 3851.7 | hTRIG6 rate: 2336.5

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LD2 1/3

Events 4.27 M | Charge 17.0 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.8 % | Max NPS anode current (single crystal): 5.28 (μA)

Run Number: 6876 | 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: -1

Start time (from RC): 01:41 | Stop time (from RC): 02:16

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.91e+06 | hTRIG3 rate: 7736.4 | hTRIG4 rate: 4764.5 | hTRIG5 rate: 3268.6 | hTRIG6 rate: 1998.7

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LD2 2/3

Events 4.64 M | Charge 18.5 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 % | Max NPS anode current (single crystal): 4.80 (μA)

Run Number: 6877 | 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: -1

Start time (from RC): 02:17 | Stop time (from RC): 02:49

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.95e+06 | hTRIG3 rate: 8050.5 | hTRIG4 rate: 4798.0 | hTRIG5 rate: 3548.3 | hTRIG6 rate: 2126.9

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ in_sparse_low ☐

Comments: LD2 3/3

Events 3.98 M | Charge 16.2 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 % | Max NPS anode current (single crystal): 4.74 (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 / 05 / 15 (yy / mm / dd) Initials: GV

Kinematics: KinC_x 36_2

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2×2

HMS p: +/- 4.0420 (From GUI) θ(TV): 17.010 (Nearest 0.005)

SHMS θ(TV): 30.660 (Nearest 0.005)

NPS θ = SHMS −16.30° 14.360 (Nearest 0.005)

Beam position and angle on target:

	X	Y
3H07A	182 mm, Nomin: 1.85	0.287 mm, Nomin: 0.3
3H07C	0.698 mm, Nomin: 0.75	0.315 mm, Nomin: 0.3

Collimator: HMS: ☑ Large ☐ Sieve | NPS Sweep Magnet I = 468.0 Amp | NPS Upstream Corr. I = ____ Amp | NPS Upstream Corr. I = ____ Amp

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Run Number: 6878 | I_{beam}: 20 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 1 PS5: -1 PS6: -1

Start time (from RC): 03:10 | Stop time (from RC): 03:40

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.29e+06 | hTRIG3 rate: 7321.3 | hTRIG4 rate: 4798.0 | hTRIG5 rate: 3861.4 | hTRIG6 rate: 2536.9

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LH2 1/3

Events 3.87 M | Charge 30.8 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.8 % | Max NPS anode current (single crystal): 7.00 (μA)

Run Number: 6879 | I_{beam}: 20 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 1 PS5: -1 PS6: -1

Start time (from RC): 03:41 | Stop time (from RC): 04:11

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.24e+06 | hTRIG3 rate: 7370.1 | hTRIG4 rate: 4893.7 | hTRIG5 rate: 3753.9 | hTRIG6 rate: 2512.1

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LH2 2/3

Events 4.02 M | Charge 32.8 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.8 % | Max NPS anode current (single crystal): 7.31 (μA)

Run Number: 6880 | I_{beam}: 20 μA

☑ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 1 PS5: -1 PS6: -1

Start time (from RC): 04:12 | Stop time (from RC): 04:43

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.23e+06 | hTRIG3 rate: 7390.2 | hTRIG4 rate: 4751.6 | hTRIG5 rate: 3639.9 | hTRIG6 rate: 2483.1

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LH2 3/3

Events 4.11 M | Charge 33.0 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 % | Max NPS anode current (single crystal): 7.32 (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 _____ mC | 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 / 05 / 15 (yy / mm / dd) Initials: GV

Kinematics: KinC_x 60-2

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 8.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.82 mm (Nomin: 1.85)	0.328 mm (Nomin: 0.3)
3H07C	0.701 mm (Nomin: 0.75)	0.303 mm (Nomin: 0.3)

HMS p: +(-) 3.803 (From GUI) θ(TV): 22.920 (Nearest 0.005)

SHMS θ(TV): 32.865 (Nearest 0.005)

NPS θ = SHMS −16.30° 16.565 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468.0 Amp | NPS Upstream Corr. I = ____ Amp | NPS Upstream Corr. I = ____ Amp

---

Run Number: 6841 | 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): 05:02 | Stop time (from RC): 05:32

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.05e+06 | hTRIG3 rate: 741.4 | hTRIG4 rate: 388.9 | hTRIG5 rate: 199.5 | hTRIG6 rate: 117.4

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Dummy 1/1

Events 687 K | Charge 33.9 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 5.45 (μA)

Run Number: 6882 | 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): 05:40 | Stop time (from RC): 06:03

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.34e+06 | hTRIG3 rate: 1784.1 | hTRIG4 rate: 999.5 | hTRIG5 rate: 976.1 | hTRIG6 rate: 563.6

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LD2 1/3 ~20 min Run

Events 1.01 M | Charge 19.5 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 % | Max NPS anode current (single crystal): 5.78 (μA)

Run Number: 6883 | 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): 06:14 | Stop time (from RC): 06:49

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.33e+06 | hTRIG3 rate: 1705.7 | hTRIG4 rate: 992.4 | hTRIG5 rate: 939.3 | hTRIG6 rate: 561.5

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LD2 2/3 ~35 min Run

Events 1.80 M | Charge 35.0 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 100 % | Max NPS anode current (single crystal): 5.19 (μA)

Run Number: 6884 | 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): 06:50 | Stop time (from RC): 07:25

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.35e+06 | hTRIG3 rate: 1760.0 | hTRIG4 rate: 972.3 | hTRIG5 rate: 930.2 | hTRIG6 rate: 584.8

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LD2 3/3 ~35 min Run

Events 1.91 M | Charge 37.1 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 % | Max NPS anode current (single crystal): 5.71 (μA)

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24 / 05 / 15 (yy / mm / dd) Initials: GV

Kinematics: KinC_x 60_2

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 6.456 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +83.803 (From GUI) θ(TV): 22.920 (Nearest 0.005)

SHMS θ(TV): 32.865 (Nearest 0.005)

NPS θ = SHMS −16.30° 16.565 (Nearest 0.005)

Beam position and angle on target:

	X	Y
3H07A	1.78 mm (Nomin: 1.85)	0.312 mm (Nomin: 0.3)
3H07C	0.693 mm (Nomin: 0.75)	0.292 mm (Nomin: 0.3)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468.0 Amp | NPS Upstream Corr. I = _____ Amp | NPS Upstream Corr. I = _____ Amp

---

Run Number: 6885 | 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): 07:33 | Stop time (from RC): 08:02

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.06 e+06 | hTRIG3 rate: 1251.4 | hTRIG4 rate: 806.8 | hTRIG5 rate: 595.8 | hTRIG6 rate: 386.6

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LH2 1/3

Events 1.3 M | Charge 46.6m C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 %

Max NPS anode current (single crystal): 6.42 (μA)

Run Number: 6886 | 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): 08:03 | Stop time (from RC): 08:35

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.62e6 | hTRIG3 rate: 1209 | hTRIG4 rate: 804 | hTRIG5 rate: 589 | hTRIG6 rate: 379

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LH2 2/3

Events 1.1 M | Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 6.60 (μA)

Run Number: 6887 | 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): 08:38 | Stop time (from RC): 09:08

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.03e6 | hTRIG3 rate: 1209 | hTRIG4 rate: 786 | hTRIG5 rate: 558 | hTRIG6 rate: 403

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: LH2 3/3

Events 1.3M | Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 6.72 (μA)

Run Number: 6888 | I_{beam}: ____ μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: 0 PS3: -1 PS4: -1 PS5: -1 PS6: -1

Start time (from RC): | Stop time (from RC):

☐ Settings Verified? ☐ HV OK? ☐ 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate

☐ Data ok ☐ Junk

coin_sparse ☐ in ☐ coin_sparse_low ☐

Comments: LED, sweeper ON

Events 388K | 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_x_____

Purpose: ☐ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☐ no ☐

E_{beam}: _____ GeV

Raster: ☐ On ☐ Off Size: _____

Beam position and angle on target:

	X	Y
3H07A	_____ mm (Nomin:)	_____ mm (Nomin:)
3H07C	_____ mm (Nomin:)	_____ mm (Nomin:)

HMS p: +/-_____ (From GUI) θ(TV): _____ (Nearest 0.005)

SHMS θ(TV): _____ (Nearest 0.005)

NPS θ = SHMS −16.30° _____ (Nearest 0.005)

Collimator: HMS: Large ☐ Sieve ☐ | *NPS Sweep Magnet* I = _____ Amp | *NPS Upstream Corr.* I = _____ Amp | NPS Upstream Corr. I = _____ Amp

---

Run Number: 6889 | 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): 11:39 | Stop time (from RC): 12:23

☐ Settings Verified? ☐ HV OK? ☐ 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate | ☐ Data ok ☐ Junk

☐ *coin_sparse* ☐ *coin* ☐ *coin_sparse_low*

Comments: LED, sweeper OFF

Events 395K *Charge*____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 6890 | I_{beam}: _____ μA | ☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: PS2: PS3: PS4: PS5: PS6:

Start time (from RC): | Stop time (from RC):

☐ Settings Verified? ☐ HV OK? ☐ 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate | ☐ Data ok ☐ Junk

☐ *coin_sparse* ☐ *coin* ☐ *coin_sparse_low*

Comments: Junk

*Events*_____ *Charge*____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 6891 | I_{beam}: 5 μA | ☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ C Hole

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 17:55 | Stop time (from RC): 18:08

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate | ☐ Data ok ☐ Junk

☑ *coin_sparse* ☐ *coin* ☐ *coin_sparse_low*

Comments: Carbon Hole

*Events*_____ *Charge*____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 6892 | 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): 18:08 | Stop time (from RC): 18:14

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 1.82x10^5 | hTRIG3 rate 4823 | hTRIG4 rate 3982 | hTRIG5 rate 252 | hTRIG6 rate 218 | ☑ Data ok ☐ Junk

☑ *coin_sparse* ☐ *coin* ☐ *coin_sparse_low*

Comments: Dummy Kin 50-2

Events 417K *Charge* 1.7C

Active trigger LiveTime fraction (NPS Scaler Gui) 99 %

Max NPS anode current (single crystal) 1.72 (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: 24/05/15 (yy/mm/dd) Initials: H.M.

Kinematics: KinC_x50_2

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.539 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.80 mm (Nomin:)	0.28 mm (Nomin:)
3H07C	0.70 mm (Nomin:)	0.31 mm (Nomin:)

HMS: p: +/- 6.667 (From GUI) θ(TV): 12.48 (Nearest 0.005)

SHMS: θ(TV): 36.88 (Nearest 0.005)

NPS: θ = SHMS −16.30° 20.58 (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: 6893 | 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: -1

Start time (from RC): 18:25 | Stop time (from RC): 18:27

☑ 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: Dummy

Events 134K Charge 0.8C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 6894 | I_{beam}: 20 μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 1 PS5: -1 PS6: -1

Start time (from RC): 18:37 | Stop time (from RC): 19:07

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 4.48×10^5 | hTRIG3 rate: 9450 | hTRIG4 rate: 7480 | hTRIG5 rate: 873 | hTRIG6 rate: 785

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Dummy

Events 4.9M Charge 2.4C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.8%

Max NPS anode current (single crystal): 3.02 (μA)

No coin run 6895-6898, DAQ PS factor optimizing

Run Number: 6899 | 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: 4 PS5: -1 PS6: -1

Start time (from RC): 19:29 | Stop time (from RC): 20:00

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.61×10^6 | hTRIG3 rate: 25470 | hTRIG4 rate: 20798 | hTRIG5 rate: 8462 | hTRIG6 rate: 6916

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/3 LD_2 PS4=4

Events 4.5M Charge 23.7C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9%

Max NPS anode current (single crystal): 3.47 (μA)

Run Number: 6900 | 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: 2 PS5: -1 PS6: -1

Start time (from RC): 20:02 | Stop time (from RC): 20:32

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 8.65×10^5 | hTRIG3 rate: 15456 | hTRIG4 rate: 12823 | hTRIG5 rate: 2752 | hTRIG6 rate: 2340

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/3 LD_2 PS4=2

Events 6M Charge 15.8C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9%

Max NPS anode current (single crystal): 2.31 (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 / 05 / 15 (yy / mm / dd) Initials: H.M.

Kinematics: KinC_x 50-2

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS: p: +/- 6.667 (From GUI) θ(TV): 12.48 (Nearest 0.005)

SHMS: θ(TV): 36.88 (Nearest 0.005)

NPS: θ = SHMS −16.30° 20.58 (Nearest 0.005)

Beam position and angle on target:

3H07A X	3H07A Y
1.80 mm (Nomin:)	0.29 mm (Nomin:)
3H07C X	3H07C Y
0.70 mm (Nomin:)	0.31 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: 6901 | 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: 2 PS5: -1 PS6: -1

Start time (from RC): 20:33 | Stop time (from RC): 21:03

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 8.63×10^5 | hTRIG3 rate: 15630 | hTRIG4 rate: 12965 | hTRIG5 rate: 2870 | hTRIG6 rate: 2395

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/3 LD_2

Events 6.9M | Charge 17.4C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.7% | Max NPS anode current (single crystal): 2.36 (μA)

Run Number: 6902 | I_{beam}: 25 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): 21:10 | Stop time (from RC): 21:40

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 8.46×10^5 | hTRIG3 rate: 16574 | hTRIG4 rate: 13511 | hTRIG5 rate: 2921 | hTRIG6 rate: 2573

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/3 LH_2

Events 7.3M | Charge 26.3C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.7% | Max NPS anode current (single crystal): 3.25 (μA)

Run Number: 6903 | I_{beam}: 25 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): 21:41 | Stop time (from RC):

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 8.52×10^5 | hTRIG3 rate: 16792 | hTRIG4 rate: 13726 | hTRIG5 rate: 2920 | hTRIG6 rate: 2448

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/3 LH_2 CODA crashed when ended run. End failed

Events 6.63M | Charge ____C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.0% | Max NPS anode current (single crystal): 3.01 (μA)

Run Number: 6904 | I_{beam}: 25 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): 22:16 | Stop time (from RC): 22:47

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 8.56×10^5 | hTRIG3 rate: 16458 | hTRIG4 rate: 13586 | hTRIG5 rate: 2954 | hTRIG6 rate: 2426

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/3 LH_2

Events 7.3M | Charge 37C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.7% | Max NPS anode current (single crystal): 3.24 (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 / 5 / 16 (yy / mm / dd) Initials: CP

Kinematics: KinC_x60_3

Purpose: ☒ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 10.583 GeV

Raster: ☑ On ☐ Off Size: 2×2

HMS p: +/- 05.878 (From GUI) θ(TV): 16.48 (Nearest 0.005)

SHMS θ(TV): 36.451 (Nearest 0.005)

NPS θ = SHMS −16.30° 20.151 (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	1.82 mm	0.37 mm
	Nomin:	Nomin:
3H07C	X	Y
	0.72 mm	0.39 mm
	Nomin:	Nomin:

Collimator: HMS: Large ☒ Sieve ☐ | NPS Sweep Magnet I = 468 Amp | NPS Upstream Corr. I = 46 Amp | NPS Upstream Corr. I = 0 Amp

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Run Number: 6905 | 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): 00:12 | Stop time (from RC): 00:43

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.08·10^5 | hTRIG3 rate: 1505 | hTRIG4 rate: 1090.8 | hTRIG5 rate: 227.2 | hTRIG6 rate: 151.7

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments:

Events 1.7M | Charge 28.89 ~~nA~~ C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.96 %

Max NPS anode current (single crystal): 2.84 (μA)

Run Number: 6906 | 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): 00:55 | Stop time (from RC): 01:36

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 9.01·10^5 | hTRIG3 rate: 4132.6 | hTRIG4 rate: 2970.0 | hTRIG5 rate: 1494.0 | hTRIG6 rate: 1081.7

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: #1/3

Events 6.5M | Charge 40.33 ~~nA~~ C

Active trigger LiveTime fraction (NPS Scaler Gui): 96.77 %

Max NPS anode current (single crystal): 3.37 (μA)

Run Number: 6907 | 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): 01:38 | Stop time (from RC): 02:10

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 8.98·10^5 | hTRIG3 rate: 4214.3 | hTRIG4 rate: 3065.4 | hTRIG5 rate: 1482.2 | hTRIG6 rate: 1069.7

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: #2/3

Events 4.9M | Charge ~~40.33~~ 31.10 nA C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.398 %

Max NPS anode current (single crystal): 3.34 (μA)

Run Number: 6908 | I_{beam}: 20 μA

☐ LH2 10cm ☒ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 02:16 | Stop time (from RC): 02:52

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 9.10·10^5 | hTRIG3 rate: 4281.1 | hTRIG4 rate: 3024.6 | hTRIG5 rate: 1641.7 | hTRIG6 rate: 1123.9

☑ Data ok ☐ Junk

coin_sparse ☒ coin ☐ coin_sparse_low ☐

Comments: #3/3

Events 5.6M | Charge 35.61 nA C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.142 %

Max NPS anode current (single crystal): 3.28 (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 / 05 / 16 (yy / mm / dd) Initials: CP

Kinematics: KinC_x60_3

Purpose: ☒ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☐ no ☐

E_{beam}: 10.539 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +5.878 (From GUI) θ(TV): 16.48 (Nearest 0.005)

SHMS θ(TV): 36.451 (Nearest 0.005)

NPS θ = SHMS −16.30° = 20.151 (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	1.83 mm	0.36 mm
Nomin:		

3H07C	X	Y
	0.73 mm	0.38 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: 6909 | 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): 03:07 | Stop time (from RC): 3:43

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: $6.26 \cdot 10^5$ | hTRIG3 rate: 3277.1 | hTRIG4 rate: 2484.4

hTRIG5 rate: 871.4 | hTRIG6 rate: 654.8

☑ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: #1/3

Events 4.9M | Charge 57.36 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.793 %

Max NPS anode current (single crystal): 3.40 (μA)

Run Number: 6910 | I_{beam}: 30 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): 3:45 | Stop time (from RC): 04:21

☐ Settings Verified? ☐ HV OK? ☐ 50k OK?

hTRIG1 rate: $5.92 \cdot 10^5$ | hTRIG3 rate: 3204.2 | hTRIG4 rate: 2399.0

hTRIG5 rate: 839.5 | hTRIG6 rate: 650.3

☑ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: #2/3

Events 4.5M | Charge 52.5 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.645

Max NPS anode current (single crystal): 3.48 (μA)

Run Number: 6911 | 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): 4:23 | Stop time (from RC): 5:10

☐ Settings Verified? ☐ HV OK? ☑ 50k OK?

hTRIG1 rate: $5.97 \cdot 10^5$ | hTRIG3 rate: 3278.5 | hTRIG4 rate: 2391.1

hTRIG5 rate: 840.2 | hTRIG6 rate: 619.8

☑ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: #3/3

Events 6.0M | Charge 70.15 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.710 %

Max NPS anode current (single crystal): 3.28 (μA)

KinC_x50_3 ↓

Run Number: 6912 | 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): 5:34 | Stop time (from RC): 5:57

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: $1.12 \cdot 10^6$ | hTRIG3 rate: 2106.7 | hTRIG4 rate: 1412.4

hTRIG5 rate: 842.0 | hTRIG6 rate: 591.3

☑ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: ~20 min out of 30 min beam taken for QE.

Events 1.55 | Charge 20.53 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100.0 %

Max NPS anode current (single crystal): 6.94 (μA)

$p(e,e'\gamma)\,p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24 / 05 / 16 (yy / mm / dd) Initials: CP

Kinematics: KinC_x 50_3

Purpose: ☒ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☒ no ☐

E_{beam}: 10.539 GeV

Raster: ☒ On ☐ Off Size: 2×2

HMS p: +05.253 (From GUI) θ(TV): 16.917 (Nearest 0.005)

SHMS θ(TV): 31.747 (Nearest 0.005)

NPS θ = SHMS −16.30° = 15.447 (Nearest 0.005)

Beam position and angle on target:

3H07A X	3H07A Y	3H07C X	3H07C Y
1.828 mm	0.358 mm	0.729 mm	0.375 mm
Nomin:	Nomin:	Nomin:	Nomin:

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468 Amp | NPS Upstream Corr. I = off Amp | NPS Upstream Corr. I = off Amp

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Run Number: 6913 | 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): 07:11 | Stop time (from RC): 07:23

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: [illegible] | hTRIG3 rate: | hTRIG4 rate:

hTRIG5 rate: | hTRIG6 rate: | ☐ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Finish 10 more min on dummy

Events 916K | Charge 12.41 mC

Active trigger LiveTime fraction (NPS Scaler Gui):

Max NPS anode current (single crystal): (μA)

Run Number: 6914 | 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): 7:39 | Stop time (from RC): 7:40

☐ 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: data rate ~400 MB/s lowering current

Events 71K | Charge 0.5 mC

Active trigger LiveTime fraction (NPS Scaler Gui):

Max NPS anode current (single crystal): (μA)

Run Number: 6915 | 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): 7:42 | Stop time (from RC): 8:12

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: $1.40 \cdot 10^6$ | hTRIG3 rate: 2683.3 | hTRIG4 rate: 1894.4

hTRIG5 rate: 1182.5 | hTRIG6 rate: 836.4 | ☑ Data ok ☐ Junk

☒ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: #1/3

Events 3.8M | Charge 16.64 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.89%

Max NPS anode current (single crystal): 3.61 (μA)

Run Number: 6916 | 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): 8:14 | Stop time (from RC):

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.9e+6 | hTRIG3 rate: 2773.9 | hTRIG4 rate: 1925.4

hTRIG5 rate: 1165.0 | hTRIG6 rate: 867.4 | ☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/3

Events 3.8M | Charge 17.05 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.8%

Max NPS anode current (single crystal): 3.80 (μA)

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 24 / 05 / 16 (yy mm dd) Initials: mrc

Use a separate sheet for each configuration.

Kinematics: KinC_x 50_3

Purpose: [x] Production [ ] Test [ ] Optics [ ] Other: ______

HMS, field, current OK? yes [x] no [ ]

E_{beam}: 10538 GeV

Raster: [x] On [ ] Off Size: 2x2

Beam position and angle on target:

3H07A X	Y
1.8 mm	0.37 mm
Nomin:	Nomin:

3H07C X	Y
0.75 mm	0.39 mm
Nomin:	Nomin:

HMS p: +/- -5.253 (From GUI) θ(TV): 16.41 (Nearest 0.005)

SHMS θ(TV): 31.74 (Nearest 0.005)

NPS θ = SHMS −16.30°: 15.447 (Nearest 0.005)

Collimator: HMS: Large [x] Sieve [ ] | NPS Sweep Magnet I = 468 Amp | NPS Upstream Corr. I = — Amp | NPS Upstream Corr. I = — Amp

Run Number	Ibeam (μA)	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	Comments	Events	Charge	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)
6917	10	LD2 10cm	-1, -1, -1, 0, -1, -1	8:46	09:20	[x]	[x]	[x]	1.41·10^6	2721.9	1922.8	1211.4	833.0	Data ok	coin_sparse	3/3	3.3M	16.19 mC	99.8%	3.75
6918	30	LH2 10cm	-1, -1, -1, 0, -1, -1	9:32	9:36	[x]	[x]	[ ]						Junk	coin_sparse	1/3; Junk, data rate too high				
6919	25	LH2 10cm	-1, -1, -1, 0, -1, -1	09:38	10:04	[x]	[x]	[x]	2.33·10^6	3431.6	2490.4	1890.7	1432.6	Data ok	coin_sparse	1/3; Current lowered to 25μA	3.8M	37.31 mC	98.8%	6.77
6920	25	LH2 10cm	-1, -1, -1, 0, -1, -1	10:11	10:42	[x]	[x]	[x]	2.32·10^6	3441.7	2523.4	1823.3	1368.8	Data ok	coin_sparse	2/3	4.3M	41.47 mC	98%	6.47

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 / 05 / 16 (yy mm dd)

Initials: mrc

Kinematics: KinC_x 50-3

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:

	X	Y
3H07A	1.83 mm (Nomin:)	0.369 mm (Nomin:)
3H07C	0.73 mm (Nomin:)	0.40 mm (Nomin:)

HMS — p: +/- -5.253 (From GUI) θ(TV): 16.41 (Nearest 0.005)

SHMS — θ(TV): 31.74 (Nearest 0.005)

NPS — θ = SHMS −16.30° 15.447 (Nearest 0.005)

Collimator:	HMS: Large [x] Sieve [ ]	NPS Sweep Magnet I = 468 Amp	NPS Upstream Corr. I = — Amp	NPS Upstream Corr. I = — Amp

Run 1

Run Number:	6921
I_{beam}:	25 μA
Target	[x] LH2 10cm [ ] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.l [ ] ______
PS1 / PS2 / PS3 / PS4 / PS5 / PS6	-1 / -1 / -1 / 0 / -1 / -1
Start time (from RC):	10:43
Stop time (from RC):	11:17
Settings Verified? / HV OK? / 50k OK?	[x] / [x] / [x]
hTRIG1 rate	2.31·10^6
hTRIG3 rate	3410.0
hTRIG4 rate	2443.4
hTRIG5 rate	1840.7
hTRIG6 rate	1405.4
Data ok / Junk	[x] / [ ]
coin_sparse / coin / coin_sparse_low	[x] / [ ] / [ ]
Comments:	3/3
Events	4.4M
Charge	42.75 mC
Active trigger LiveTime fraction (NPS Scaler Gui)	99%
Max NPS anode current (single crystal) (μA)	6.78

Run 2

Run Number:	
I_{beam}:	______ μA
Target	[ ] LH2 10cm [ ] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.l [ ] ______
PS1 / PS2 / PS3 / PS4 / PS5 / PS6	
Start time (from RC):	
Stop time (from RC):	
Settings Verified? / HV OK? / 50k OK?	[ ] / [ ] / [ ]
hTRIG1 rate	
hTRIG3 rate	
hTRIG4 rate	
hTRIG5 rate	
hTRIG6 rate	
Data ok / Junk	[ ] / [ ]
coin_sparse / coin / coin_sparse_low	[ ] / [ ] / [ ]
Comments:	
Events	______
Charge	____C
Active trigger LiveTime fraction (NPS Scaler Gui)	
Max NPS anode current (single crystal) (μA)	

Run 3

Run Number:	
I_{beam}:	______ μA
Target	[ ] LH2 10cm [ ] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.l [ ] ______
PS1 / PS2 / PS3 / PS4 / PS5 / PS6	
Start time (from RC):	
Stop time (from RC):	
Settings Verified? / HV OK? / 50k OK?	[ ] / [ ] / [ ]
hTRIG1 rate	
hTRIG3 rate	
hTRIG4 rate	
hTRIG5 rate	
hTRIG6 rate	
Data ok / Junk	[ ] / [ ]
coin_sparse / coin / coin_sparse_low	[ ] / [ ] / [ ]
Comments:	
Events	______
Charge	____C
Active trigger LiveTime fraction (NPS Scaler Gui)	
Max NPS anode current (single crystal) (μA)	

Run 4

Run Number:	
I_{beam}:	______ μA
Target	[ ] LH2 10cm [ ] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.l [ ] ______
PS1 / PS2 / PS3 / PS4 / PS5 / PS6	
Start time (from RC):	
Stop time (from RC):	
Settings Verified? / HV OK? / 50k OK?	[ ] / [ ] / [ ]
hTRIG1 rate	
hTRIG3 rate	
hTRIG4 rate	
hTRIG5 rate	
hTRIG6 rate	
Data ok / Junk	[ ] / [ ]
coin_sparse / coin / coin_sparse_low	[ ] / [ ] / [ ]
Comments:	
Events	______
Charge	____C
Active trigger LiveTime fraction (NPS Scaler Gui)	
Max NPS anode current (single crystal) (μA)	

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 24 / 05 / ___ (yy mm dd) Initials: ____

Use a separate sheet for each configuration.

Kinematics: KinC_x36_3

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 ___ mm Nomin:	Y ___ mm Nomin:
3H07C X ___ mm Nomin:	Y ___ mm Nomin:

HMS: p: +/- 6.117 (From GUI) θ(TV): 12.37 (Nearest 0.005)

SHMS: θ(TV): 32.26 (Nearest 0.005)

NPS: θ = SHMS −16.30° 15.96 (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: ____ I_{beam}: ____ μA

- [ ] LH2 10cm
- [ ] LD2 10cm
- [x] 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 [x] *coin* [ ] *coin_sparse_low* [ ]

Comments: Dummy

Events ____ *Charge* ____ *C*

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: ____ I_{beam}: ____ μA

- [ ] LH2 10cm
- [ ] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [ ] ______

PS1: ___ PS2: ___ PS3: ___ PS4: ___ PS5: ___ PS6: ___

Start time (from RC): ____ Stop time (from RC): ____

[ ] Settings Verified? [ ] HV OK? [ ] 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate

[ ] Data ok [ ] Junk

coin_sparse [ ] *coin* [ ] *coin_sparse_low* [ ]

Comments:

Events ____ *Charge* ____ *C*

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: ____ I_{beam}: ____ μA

- [ ] LH2 10cm
- [ ] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [ ] ______

PS1: ___ PS2: ___ PS3: ___ PS4: ___ PS5: ___ PS6: ___

Start time (from RC): ____ Stop time (from RC): ____

[ ] Settings Verified? [ ] HV OK? [ ] 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate

[ ] Data ok [ ] Junk

coin_sparse [ ] *coin* [ ] *coin_sparse_low* [ ]

Comments:

Events ____ *Charge* ____ *C*

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: ____ I_{beam}: ____ μA

- [ ] LH2 10cm
- [ ] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [ ] ______

PS1: ___ PS2: ___ PS3: ___ PS4: ___ PS5: ___ PS6: ___

Start time (from RC): ____ Stop time (from RC): ____

[ ] Settings Verified? [ ] HV OK? [ ] 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate

[ ] Data ok [ ] Junk

coin_sparse [ ] *coin* [ ] *coin_sparse_low* [ ]

Comments:

Events ____ *Charge* ____ *C*

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 24 / 05 / 16 (yy mm dd) Initials: mrc

Use a separate sheet for each configuration.

Kinematics: KinC_x ______ Angle study

Purpose: ☐ Production ☑ Test ☐ Optics ☐ Other: ______

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2x2

Various

Beam position and angle on target:

	X	Y
3H07A	1.80 mm (Nomin:)	0.32 mm (Nomin:)
3H07C	0.76 mm (Nomin:)	0.29 mm (Nomin:)

HMS p: +/- -5.038 (From GUI) θ(TV): 14.36 (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

Run Number: 6422	☐ 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): 12:12	☑ Settings Verified?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
I_{beam}: 10 μA			Stop time (from RC): 12:47	☑ HV OK? ☐ 50k OK?	hTRIG5 rate	hTRIG6 rate	☐ Data ok ☐ Junk
coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐	Comments: Test; Change our SHMS angle to 30, 33.5, 28.415, 27.5, 26.5 and running @ 10μA 15μA			*Events___ Charge___C*	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)	

Run Number:	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ______	PS1: PS2: PS3: PS4: PS5: PS6:	Start time (from RC):	☐ Settings Verified?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
I_{beam}: ____ μA			Stop time (from RC):	☐ HV OK? ☐ 50k OK?	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:	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ______	PS1: PS2: PS3: PS4: PS5: PS6:	Start time (from RC):	☐ Settings Verified?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
I_{beam}: ____ μA			Stop time (from RC):	☐ HV OK? ☐ 50k OK?	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:	☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ ______	PS1: PS2: PS3: PS4: PS5: PS6:	Start time (from RC):	☐ Settings Verified?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
I_{beam}: ____ μA			Stop time (from RC):	☐ HV OK? ☐ 50k OK?	hTRIG5 rate	hTRIG6 rate	☐ Data ok ☐ Junk
coin_sparse ☐ *in* ☐ *.n_sparse_low* ☐	Comments:			*Events___ Charge___C*	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)	

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24 / 05 / 16 (yy / mm / dd) Initials: mrc

Kinematics: KinC_x 60_4

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10534 GeV

Raster: ☑ On ☐ Off Size: 2×2

HMS p: +/- −5.038 (From GUI) θ(TV): 14.36 (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	3H07C X	3H07C Y
1.81 mm	0.33 mm	6.70 mm	6.24 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

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Run Number: 6928 3 | 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): 12:57 | Stop time (from RC): 13:12

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 9.46·10^5 | hTRIG3 rate: 426.8 | hTRIG4 rate: 271.5 | hTRIG5 rate: 130.9 | hTRIG6 rate: 124.9

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/2

Events 226k | Charge 8.15 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99% | Max NPS anode current (single crystal): 4.84 (μA)

Run Number: 6924 | 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): 13:14 | Stop time (from RC): 13:37

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.87·10^6 | hTRIG3 rate: 825.1 | hTRIG4 rate: 484.7 | hTRIG5 rate: 380.1 | hTRIG6 rate: 240.6

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/2

Events 433k | Charge 16.65 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.4% | Max NPS anode current (single crystal): 9.33 (μA)

Run Number: 6925 | 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): 13:48 | Stop time (from RC): 14:19

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.25·10^6 | hTRIG3 rate: 1020.5 | hTRIG4 rate: 652.3 | hTRIG5 rate: 546.0 | hTRIG6 rate: 373.6

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/3

Events 1.8M | Charge 16.07 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 4.41 (μA)

Run Number: 6926 | 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): 14:27 | Stop time (from RC): 13:10

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.57·10^6 | hTRIG3 rate: 1499.3 | hTRIG4 rate: 1296.4 | hTRIG5 rate: 1382.2 | hTRIG6 rate: 889.2

☑ Data ok ☐ Junk

☑ coin_sparse ☐ in ☐ n_sparse_low

Comments: 2/3 ; Lot of Bcm down, let it run longer to compensate

Events 2M | Charge 30.49 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99% | 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 / 05 / 16 (yy / mm / dd) Initials: Arc

Kinematics: KinC_x 6a4

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10538 GeV

Raster: ☑ On ☐ Off Size: 2×2

HMS p: +/− 5.038 (From GUI) θ(TV): 1436 (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	1.80 mm (Nomin:)	0.37 mm (Nomin:)
3H07C	0.71 mm (Nomin:)	6.30 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: 6427 | I_{beam}: 20 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: −1 PS2: −1 PS3: −1 PS4: 0 PS5: −1 PS6: −1

Start time (from RC): 15:13 | Stop time (from RC): 15:43

☑ Settings Verified? ☐ HV OK? ☑ 50k OK?

hTRIG1 rate 2.58·10⁶ | hTRIG3 rate 2067.6 | hTRIG4 rate 1309.7 | hTRIG5 rate 1361.7 | hTRIG6 rate 882.3

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/3 LD_2

Events 1.8M Charge 27.14 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 94.7 % | Max NPS anode current (single crystal) 9.5 (μA)

Run Number: 6428 | 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): 15:53 | Stop time (from RC): 16:28

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.26×10⁶ | hTRIG3 rate 1548 | hTRIG4 rate 1023 | hTRIG5 rate 865 | hTRIG6 rate 595

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/3 LH_2

Events 1.35M Charge 38 C | Active trigger LiveTime fraction (NPS Scaler Gui) 98.90% | Max NPS anode current (single crystal) 9.89 (μA)

Run Number: 6829 | 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): 16:28 | Stop time (from RC): 17:00

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.25×10⁶ | hTRIG3 rate 1558 | hTRIG4 rate 1047 | hTRIG5 rate 894 | hTRIG6 rate 578

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/3 LH_2

Events 1.39M Charge 38C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 10.40 (μA)

Run Number: 6830 | 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): 17:01 | Stop time (from RC): 17:33

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.24×10⁶ | hTRIG3 rate 1542 | hTRIG4 rate 1028 | hTRIG5 rate 837 | hTRIG6 rate 585

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/3 LH_2 No End run due to CODA problem run is Good.

Events 1.3M Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9% | Max NPS anode current (single crystal) 10.53 (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 / 05 / 16 (yy / mm / dd) Initials: H.M.

Kinematics: KinC_x36.5

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.539 GeV

Raster: ☑ On ☐ Off Size: 2 x 2

Beam position and angle on target:

3H07A X	Y	3H07C X	Y
1.80 mm	0.30 mm	0.70 mm	0.30 mm
Nomin:	Nomin:	Nomin:	Nomin:

HMS: p: +/- 4.637 (From GUI) θ(TV): 16.435 (Nearest 0.005)

SHMS: θ(TV): 28.415 (Nearest 0.005)

NPS: θ = SHMS −16.30° = 12.117 (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: 6931 | 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): 18:17 | Stop time (from RC): 18:47

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.06x10^6 | hTRIG3 rate: 2266 | hTRIG4 rate: 1279 | hTRIG5 rate: 1072 | hTRIG6 rate: 629

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: Dummy

Events 2.1M | Charge 5.7C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9% | Max NPS anode current (single crystal): 7.83 (μA)

Run Number: 6932 | 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): 18:57 | Stop time (from RC): 19:32

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.26x10^6 | hTRIG3 rate: 2866 | hTRIG4 rate: 2332 | hTRIG5 rate: 2104 | hTRIG6 rate: 1300

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/3 LD_2 For First 100k event current was 10μA

Events 4.1M | Charge 10.3C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.6% | Max NPS anode current (single crystal): 5.64 (μA)

Run Number: 6933 | 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): 19:33 | Stop time (from RC): 20:03

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.30x10^6 | hTRIG3 rate: 3978 | hTRIG4 rate: 2344 | hTRIG5 rate: 2193 | hTRIG6 rate: 1357

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/3 LD_2

Events 3.2M | Charge 9 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.5% | Max NPS anode current (single crystal): 5.73 (μA)

Run Number: 6934 | 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): 20:04 | Stop time (from RC): 20:34

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.31x10^6 | hTRIG3 rate: 3989 | hTRIG4 rate: 2341 | hTRIG5 rate: 2160 | hTRIG6 rate: 1334

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/3 LD_2

Events 3.9M | Charge 11 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.5% | Max NPS anode current (single crystal): 5.68 (μA)

$p(e,e'\gamma)\,p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24/05/16 (yy/mm/dd) Initials: H.M.

Kinematics: KinC_x 36.5

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.80 mm (Nomin:)	0.31 mm (Nomin:)
3H07C	0.71 mm (Nomin:)	0.29 mm (Nomin:)

HMS: p: +/- 4.637 (From GUI) θ(TV): 16.435 (Nearest 0.005)

SHMS: θ(TV): 28.42 (Nearest 0.005)

NPS: θ = SHMS −16.30° = 12.12 (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: 6935 | I_{beam}: 13 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): 20:43 | Stop time (from RC): 21:13

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.40x10^6 | hTRIG3 rate: 3448 | hTRIG4 rate: 2233 | hTRIG5 rate: 1996 | hTRIG6 rate: 1315

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/3 LH_2 First 10 Hz beam current 15 μA

Events 3.4M | Charge 19 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.4% | Max NPS anode current (single crystal): 8.09 (μA)

Run Number: 6936 | I_{beam}: 13 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): 21:14 | Stop time (from RC): 21:44

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.40x | hTRIG3 rate: 3358 | hTRIG4 rate: 2177 | hTRIG5 rate: 1965 | hTRIG6 rate: 1239

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/3 LH_2

Events 3.3M | Charge 18 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.4% | Max NPS anode current (single crystal): 7.91 (μA)

Run Number: 6937 | I_{beam}: 13μA

☑ 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): 21:45 | Stop time (from RC): 22:14

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.38x10^6 | hTRIG3 rate: 3278 | hTRIG4 rate: 2148 | hTRIG5 rate: 1844 | hTRIG6 rate: 1253

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/3 LH_2

Events 3.6M | Charge 20 C | Active trigger LiveTime fraction (NPS Scaler Gui): 99.4% | Max NPS anode current (single crystal): 7.93 (μA)

Run Number: 6938 | 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): 22:23 | Stop time (from RC): 22:38

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.36x10^5 | hTRIG3 rate: 540 | hTRIG4 rate: 369 | hTRIG5 rate: 87 | hTRIG6 rate: 74

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Carbon 0.5%

Events 284K | Charge 7.5C | Active trigger LiveTime fraction (NPS Scaler Gui): 100% | Max NPS anode current (single crystal): 1.46 (μA)

Run 6939	Carbon 0.5%	Start 22:39	Evt 246K	1.71x10^5	414	287
Target		Stop 22:55	Charg. 6.4		72	61
I_B 7 μA					100%	3.35 mA

$p(e,e'\gamma)\,p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24/05/16 (yy/mm/dd) Initials: H.M.

Kinematics: KinC_x25_4

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.53 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	____ mm Nomin:	____ mm Nomin:
3H07C	____ mm Nomin:	____ mm Nomin:

HMS p: +/- 4.149 (From GUI) θ(TV): 15.20 (Nearest 0.005)

SHMS θ(TV): 28.0 (Nearest 0.005)

NPS θ = SHMS −16.30° 11.7 (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: 6940 | I_{beam}: 10 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): 23:21 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: Dummy

Events____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui): —

Max NPS anode current (single crystal): — (μA)

Run Number: 6941 | 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): 23:27 Stop time (from RC): 23:57

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.89×10^6 hTRIG3 rate: 5047 hTRIG4 rate: 2233

hTRIG5 rate: 1864 hTRIG6 rate: 931

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Dummy

Events 3.58M Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.6 %

Max NPS anode current (single crystal): 7.54 (μA)

Run Number: 6942 | 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): ____ 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: trying settings to lower Data Rate

Events____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui): ____

Max NPS anode current (single crystal): ____ (μA)

Run Number: 6943 | I_{beam}: 7.5 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: -1

Start time (from RC): 00:15 Stop time (from RC): ____

☑ Settings Verified? ☑ HV OK? ☐ 50k OK?

hTRIG1 rate: 2.45e+06 hTRIG3 rate: 12254.2 hTRIG4 rate: 5408.0

hTRIG5 rate: 7517.4 hTRIG6 rate: 3353.6

☐ Data ok ☒ Junk

☑ coin_sparse ☐ in ☐ coin_sparse_low

Comments: LD2 1/3

Events____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.8 %

Max NPS anode current (single crystal): 6.80 (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 / 17 (yy / mm / dd) Initials: GrV

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: 2x2

HMS p: +(-) 4.149 (From GUI) θ(TV): 15.205 (Nearest 0.005)

SHMS θ(TV): 28.000 (Nearest 0.005)

NPS θ = SHMS −16.30° (Nearest 0.005) → 11.700

Beam position and angle on target:

	X	Y
3H07A	1.80 mm (Nomin: 1.85)	0.297 mm (Nomin: 0.3)
3H07C	0.708 mm (Nomin: 0.75)	0.304 mm (Nomin: 0.3)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 4680 Amp | NPS Upstream Corr. I = _____ Amp | NPS Upstream Corr. I = _____ Amp

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Run Number: 6944 | I_{beam}: 6.5 μA

LH2 10cm ☐ | LD2 10cm ☑ | Dummy 10cm ☐ | Optics#1 8cm ☐ | C 0.5% rl ☐

PS1: -1 | PS2: -1 | PS3: -1 | PS4: 1 | PS5: -1 | PS6: -1

Start time (from RC): 00:41 | Stop time (from RC): 01:11

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate: 2.29e+06 | hTRIG3 rate: 10232.1 | hTRIG4 rate: 4580.7 | hTRIG5 rate: 5673. | hTRIG6 rate: 2505.8

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: DATA RATE ~200 MB/s LD2 1/3 EVT RATE ~2400 Hz

Events 3.40 M | Charge 10.01 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.8 %

Max NPS anode current (single crystal): 5.85 (μA)

Run Number: 6945 | I_{beam}: 6.5 μA

LH2 10cm ☐ | LD2 10cm ☑ | Dummy 10cm ☐ | Optics#1 8cm ☐ | C 0.5% rl ☐

PS1: -1 | PS2: -1 | PS3: -1 | PS4: 1 | PS5: -1 | PS6: -1

Start time (from RC): 01:12 | Stop time (from RC): 01:42

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate: 2.32e+06 | hTRIG3 rate: 10503.0 | hTRIG4 rate: 4665.9 | hTRIG5 rate: 5973.9 | hTRIG6 rate: 2931.7

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: LD2 2/3

Events 3.90 M | Charge 10.34 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 %

Max NPS anode current (single crystal): 5.87 (μA)

Run Number: 6946 | I_{beam}: 6.5 μA

LH2 10cm ☐ | LD2 10cm ☑ | Dummy 10cm ☐ | Optics#1 8cm ☐ | C 0.5% rl ☐

PS1: -1 | PS2: -1 | PS3: -1 | PS4: 1 | PS5: -1 | PS6: -1

Start time (from RC): 01:43 | Stop time (from RC): 02:13

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate: 2.32e+06 | hTRIG3 rate: 10495.4 | hTRIG4 rate: 4669.4 | hTRIG5 rate: 5853.7 | hTRIG6 rate: 2595.8

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: LD2 3/3

Events 3.8 M | Charge 9.46 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 %

Max NPS anode current (single crystal): 6.00 (μA)

Run Number: 6947 | I_{beam}: 10 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: testing settings to lower DATA RATE

Events _____ | Charge _____ 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 / 05 / 17 (yy / mm / dd) Initials: GV

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: 2x2

HMS p: +(-) 4.149 (From GUI) θ(TV): 15.205 (Nearest 0.005)

SHMS θ(TV): 28.000 (Nearest 0.005)

NPS θ = SHMS −16.30° 11.700 (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	1.91 mm	0.268 mm
Nomin:	1.85	0.3

3H07C	X	Y
	0.711 mm	0.279 mm
Nomin:	0.75	0.3

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468.0 Amp | NPS Upstream Corr. I = _____ Amp | NPS Upstream Corr. I = _____ Amp

---

Run Number: 6948 | I_{beam}: 9 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): 02:28 | Stop time (from RC): 03:00

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate: 1.87e+06 | hTRIG3 rate: 6066.8 | hTRIG4 rate: 3023.9 | hTRIG5 rate: 2692.7 | hTRIG6 rate: 1288.1

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: LH2 1/3

Events ~4M | Charge 16.84 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 98.9 %

Max NPS anode current (single crystal): 6.35 (μA)

Run Number: 6949 | I_{beam}: 9 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): 03:01 | Stop time (from RC): 03:31

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate: 1.87e+06 | hTRIG3 rate: 6045.9 | hTRIG4 rate: 2991.1 | hTRIG5 rate: 2643.1 | hTRIG6 rate: 1339.4

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: LH2 2/3

Events ~4M | Charge 14.30 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 98.7 %

Max NPS anode current (single crystal): 6.36 (μA)

Run Number: 6950 | I_{beam}: 9 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): 03:32 | Stop time (from RC): 04:02

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate: 1.88e+06 | hTRIG3 rate: 6103.8 | hTRIG4 rate: 2977.2 | hTRIG5 rate: 2745.2 | hTRIG6 rate: 1314.0

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: LH2 3/3

Events 4.52M | Charge 12.91 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.1 %

Max NPS anode current (single crystal): 6.32 (μA)

Run Number: 6951 | 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): 04:04 | Stop time (from RC): 04:23

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate: 2.62e+05 | hTRIG3 rate: 1314.0 | hTRIG4 rate: 673.7 | hTRIG5 rate: 164.4 | hTRIG6 rate: 103.9

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 0.5% Carbon @ 10 μA

Events 554 k | Charge 7.81 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 %

Max NPS anode current (single crystal): 1.64 (μA)

$p(e,e'\gamma)\,p$ Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 24 / 05 / 17 (yy / mm / dd) Initials: GV

Kinematics: KinC_x 25.4

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.597 GeV

Raster: ☑ On ☐ Off Size: 2X2

Beam position and angle on target:

	X	Y
3H07A	1.81 mm (Nomin: 1.85)	0.307 mm (Nomin: 0.3)
3H07C	0.701 mm (Nomin: 0.75)	0.320 mm (Nomin: 0.3)

HMS p: +04.149 (From GUI) θ(TV): 15.205 (Nearest 0.005)

SHMS θ(TV): 28.000 (Nearest 0.005)

NPS θ = SHMS −16.30° 11.700 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468.0 Amp | NPS Upstream Corr. I = ____ Amp | NPS Upstream Corr. I = ____ Amp

---

Run Number: 6952 | I_{beam}: 6.5 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): 04:25 | Stop time (from RC): 04:40

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.54e+05 | hTRIG3 rate: 899.4 | hTRIG4 rate: 474.6 | hTRIG5 rate: 109.4 | hTRIG6 rate: 762

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 0.5% Carbon @ 6.5 μA

Events 369K | Charge 5.1 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100 %

Max NPS anode current (single crystal): 1.43 (μA)

Run Number: 6953 | I_{beam}: 9 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): 04:42 | Stop time (from RC): 04:54

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.43e+05 | hTRIG3 rate: 1179.0 | hTRIG4 rate: 622.6 | hTRIG5 rate: 155.6 | hTRIG6 rate: 762

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 0.5% Carbon @ 9 μA

Events 391K | Charge 55.6 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100 %

Max NPS anode current (single crystal): 1.4 (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 _____ mC

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 _____ mC

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 / 05 / 17 (yy / mm / dd) Initials: GV

Kinematics: KinC_x 36-6

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.595 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- 2.416 (From GUI) θ(TV): 26.440 (Nearest 0.005)

SHMS θ(TV): 26.500 (Nearest 0.005)

NPS θ = SHMS −16.30° 10.200 (Nearest 0.005)

Beam position and angle on target:

	X	Y
3H07A	1.81 mm (Nomin: 1.85)	0.291 mm (Nomin: 0.3)
3H07C	0.693 mm (Nomin: 0.75)	0.309 mm (Nomin: 0.3)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468.0 Amp | NPS Upstream Corr. I = ____ Amp | NPS Upstream Corr. I = ____ Amp

---

Run Number: 6954 | I_{beam}: 8 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): 05:20 | Stop time (from RC): 05:47

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate 1.74e+06 | hTRIG3 rate 1762.2 | hTRIG4 rate 352.3 | hTRIG5 rate 717.1 | hTRIG6 rate 167.9

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: Dummy 1/1

Events 516k | Charge 10.7 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100 % | Max NPS anode current (single crystal) 11.23 (μA)

→ RE measurement ←

Run Number: 6955 | I_{beam}: 7 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): 06:00 | Stop time (from RC): 06:31

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate 2.53e+06 | hTRIG3 rate 3668.9 | hTRIG4 rate 761.2 | hTRIG5 rate 2446.5 | hTRIG6 rate 514.6

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: LD2 1/3

Events 1.23M | Charge 11.1 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.3 % | Max NPS anode current (single crystal) 9.99 (μA)

Run Number: 6956 | I_{beam}: 7 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): 06:32 | Stop time (from RC): 07:02

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate 2.54e+06 | hTRIG3 rate 3731.9 | hTRIG4 rate 749.5 | hTRIG5 rate 2460.3 | hTRIG6 rate 499.0

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: LD2 2/3

Events 1.24M | Charge 11.1 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 100 % | Max NPS anode current (single crystal) 9.72 (μA)

Run Number: 6957 | I_{beam}: 7 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): 07:03 | Stop time (from RC): 07:33

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate 2.54e+06 | hTRIG3 rate 3673.6 | hTRIG4 rate 737.4 | hTRIG5 rate 2422.9 | hTRIG6 rate 497.3

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: LD2 3/3

Events 933k | Charge 8.2 mC | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9 % | Max NPS anode current (single crystal) 9.73 (μA)

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Use a separate sheet for each configuration.

Date: 29 / 05 / 17 (yy / mm / dd) Initials: BV

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

HMS p: +/- 02.416 From GUI θ(TV): 26.840 Nearest 0.005

SHMS θ(TV): 26.500 Nearest 0.005

NPS θ = SHMS −16.30° 10.200 Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
	1.82 mm	0.317 mm
Nomin:	1.85	0.3
3H07C	X	Y
	0.710 mm	0.291 mm
Nomin:	0.75	0.3

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468.0 Amp | NPS Upstream Corr. I = _____ Amp | NPS Upstream Corr. I = _____ Amp

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Run Number: 6958 | I_{beam}: 9 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): 07:41 | Stop time (from RC): 08:13

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate: 2.40e+06 | hTRIG3 rate: 1704.5 | hTRIG4 rate: 383.2

hTRIG5 rate: 1010.6 | hTRIG6 rate: 236.5

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: LH2 1/3

Events 647K | Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 100 %

Max NPS anode current (single crystal): 9.52 (μA)

Run Number: 6959 | I_{beam}: 9 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): 08:15 | Stop time (from RC): 08:50

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate: 2.06 e5 | hTRIG3 rate: 745 | hTRIG4 rate: 322

hTRIG5 rate: 1026 | hTRIG6 rate: 252

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: LH2 2/3

Events 697K | Charge 15.27C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 9.51 (μA)

Run Number: 6960 | I_{beam}: 9 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): 08:51 | Stop time (from RC): 09:25

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate: 2.39 e6 | hTRIG3 rate: 1739 | hTRIG4 rate: 399

hTRIG5 rate: 1027 | hTRIG6 rate: 244

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: LH2 3/3

Events 109K | Charge 14.28C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 9.49 (μA)

Run Number: 6962 | 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): 10:02 | Stop time (from RC): 10:20

Settings Verified? ☑ | HV OK? ☑ | 50k OK? ☑

hTRIG1 rate: 2.81 e5 | hTRIG3 rate: 316 | hTRIG4 rate: 101

hTRIG5 rate: 71 | hTRIG6 rate: 45.9

Data ok ☑ | Junk ☐

coin_sparse ☑ | coin ☐ | coin_sparse_low ☐

Comments: 2/2 (0.5% run, forgot to write previous one

Events 90K | Charge 5.49C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 1.59 (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: 24/05/17 (yy/mm/dd) Initials: A. Hogh

Kinematics: KinC_x 50_2

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +06.667 From GUI θ(TV): 12.50 Nearest 0.005

SHMS θ(TV): 36.90 Nearest 0.005

NPS θ = SHMS −16.30° 10.200 Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
	1.81 mm	0.29 mm
Nomin:		Nomin:

3H07C	X	Y
	0.69 mm	0.29 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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Run Number: 6963 | 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): 11:30 | Stop time (from RC): 12:01

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 65600 | hTRIG3 rate 2263 | hTRIG4 rate 1867 | hTRIG5 rate 94.7 | hTRIG6 rate 81.3

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1 Dummy 30 min

Events 2.7M Charge 6.90°C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 1.24 (μA)

Run Number: 6964 | 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: -1

Start time (from RC): 12:18 | Stop time (from RC): 12:42

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.42e5 | hTRIG3 rate 6149 | hTRIG4 rate 5079 | hTRIG5 rate 410 | hTRIG6 rate 341

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/3 LD2

Events 3.3M Charge 6.17C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 1.43 (μA)

Run Number: 6965 | 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: -1

Start time (from RC): 12:43 | Stop time (from RC): 13:14

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.39e5 | hTRIG3 rate 6187 | hTRIG4 rate 5003 | hTRIG5 rate 407 | hTRIG6 rate 351

☑ Data ok ☐ Junk

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/3 LD2

Events 4.3M Charge 8.17C

Active trigger LiveTime fraction (NPS Scaler Gui):

Max NPS anode current (single crystal): (μA)

Run Number: 6966 | 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: -1

Start time (from RC): 13:15 | Stop time (from RC): 13:19

☐ Settings Verified? ☐ HV OK? ☐ 50k OK?

hTRIG1 rate 2.51e5 | hTRIG3 rate 6433 | hTRIG4 rate 5205 | hTRIG5 rate 444 | hTRIG6 rate 375

☐ Data ok ☐ Junk

coin_sparse ☑ in ☐ coin_sparse_low ☐

Comments: No beam

Events 132K Charge 0.25C

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_x_____

Purpose:
- ☐ Production
- ☐ Test
- ☐ Optics
- ☐ Other: _____

HMS, field, current OK? yes ☐ no ☐

E_{beam}: _____ GeV

Raster: ☐ On ☐ Off
Size: _____

Beam position and angle on target:

	X	Y
3H07A	_____ mm (Nomin:)	_____ mm (Nomin:)
3H07C	_____ mm (Nomin:)	_____ mm (Nomin:)

HMS
p: +/-_____ (From GUI) θ(TV): _____ (Nearest 0.005)

SHMS
θ(TV): _____ (Nearest 0.005)

NPS
θ = SHMS −16.30° _____ (Nearest 0.005)

Collimator: HMS: Large ☐ Sieve ☐ | *NPS Sweep Magnet I = _____ Amp* | *NPS Upstream Corr. I = _____ Amp* | NPS Upstream Corr. I = _____ Amp

---

Run Number: 6967
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: LED run, ps4=0, Junk

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 6968
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: LED run, ps4=0, Junk

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 6970
I_{beam}: _____ 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): 14:57
Stop time (from RC): _____

☐ Settings Verified? ☐ HV OK? ☐ 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate
hTRIG5 rate | hTRIG6 rate | ☐ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LED run Sweep OFF

Events_____ Charge____C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 6971
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): 15:45
Stop time (from RC): 16:30

☐ Settings Verified? ☐ HV OK? ☐ 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate
hTRIG5 rate | hTRIG6 rate | ☐ Data ok ☐ Junk

☐ coin_sparse ☐ in ☐ coin_sparse_low

Comments: LED run Sweep ON

Events 396K 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 / 05 / 18 (yy / mm / dd) Initials: A.Hogh

Kinematics: KinC_x 50_2

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +~~0~~6.667 (From GUI) θ(TV): 12.50 (Nearest 0.005)

SHMS θ(TV): 36.90 (Nearest 0.005)

NPS θ = SHMS −16.30° 20.~~60~~48 (Nearest 0.005)

Beam position and angle on target:

	X	Y
3H07A	1.78 mm (Nomin:)	0.28 mm (Nomin:)
3H07C	0.68 mm (Nomin:)	0.31 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: 6974 | 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: -1

Start time (from RC): 07:59 | Stop time (from RC): 08:15

Settings Verified? ☑ HV OK? ☑ 50k OK? ☑

hTRIG1 rate 2.81 e5 | hTRIG3 rate 6360 | hTRIG4 rate 5243 | hTRIG5 rate 464 | hTRIG6 rate 400

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/3 LD2, Beam tuning 15 min

Events 2.1M Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 1.35 (μA)

Run Number: 6975 | 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: -1

Start time (from RC): 08:26 | Stop time (from RC): 08:43

Settings Verified? ☑ HV OK? ☑ 50k OK? ☑

hTRIG1 rate 2.69 e5 | hTRIG3 rate 6240 | hTRIG4 rate 5153 | hTRIG5 rate 460 | hTRIG6 rate 387

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/3 LD2, second 15 min

Events 2.7M Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 1.62 (μA)

Run Number: 6976 | 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: -1

Start time (from RC): 08:57 | Stop time (from RC): 09:27

Settings Verified? ☐ HV OK? ☐ 50k OK? ☐

hTRIG1 rate 2.42 e5 | hTRIG3 rate 6497 | hTRIG4 rate 5362 | hTRIG5 rate 442 | hTRIG6 rate 388

Data ok ☐ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/3 LH2,

Events 4.4M Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 | Max NPS anode current (single crystal) 1.57 (μA)

Run Number: 6978 | 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: -1

Start time (from RC): 09:35 | Stop time (from RC): 09:53

Settings Verified? ☑ HV OK? ☑ 50k OK? ☑

hTRIG1 rate — | hTRIG3 rate — | hTRIG4 rate — | hTRIG5 rate — | hTRIG6 rate —

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/3 LH2, No beam

Events 1.8M 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 / 05 / 18 (yy / mm / dd) Initials: A.Hoogh

Kinematics: KinC_x 50_2

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

HMS, field, current OK? yes [x] no [ ]

E_{beam}: 10.538 GeV

Raster: [x] On [ ] Off Size: 2x2

HMS
p: +06.667 (From GUI) θ(TV): 12.50 (Nearest 0.005)

SHMS
θ(TV): 36.90 (Nearest 0.005)

NPS
θ = SHMS −16.30° = 20.578 (Nearest 0.005)

Beam position and angle on target:

	X	Y
3H07A	1.78 mm (Nomin:)	0.28 mm (Nomin:)
3H07C	0.7 mm (Nomin:)	0.3 mm (Nomin:)

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: 6979
I_{beam}: 10 μA
- [x] LH2 10cm
- [ ] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [ ]

PS1: -1, PS2: -1, PS3: -1, PS4: 1, PS5: -1, PS6: -1

Start time (from RC): 09:59
Stop time (from RC): 10:32

Settings Verified? [x] HV OK? [x] 50k OK? [x]

hTRIG1 rate: 2.42e5
hTRIG3 rate: 6497
hTRIG4 rate: 5379
hTRIG5 rate: 446
hTRIG6 rate: 388

Data ok [x] Junk [ ]

coin_sparse [ ] coin [ ] coin_sparse_low [ ]

Comments: 2/3 LH2

Events 4.498M Charge ____C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 1.54 (μA)

Run Number: 6980
I_{beam}: 10 μA
- [x] LH2 10cm
- [ ] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [ ]

PS1: -1, PS2: -1, PS3: -1, PS4: 1, PS5: -1, PS6: -1

Start time (from RC): 10:34
Stop time (from RC): 11:09

Settings Verified? [x] HV OK? [x] 50k OK? [x]

hTRIG1 rate: 2.52e5
hTRIG3 rate: 6794
hTRIG4 rate: 5651
hTRIG5 rate: 453
hTRIG6 rate: 389

Data ok [x] Junk [ ]

coin_sparse [ ] coin [ ] coin_sparse_low [ ]

Comments: 3/3 LH2

Events 5M Charge ____C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 1.89 (μA)

Run Number: 6981
I_{beam}: 10 μA
- [ ] LH2 10cm
- [ ] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [x] C 0.5% rl.l
- [ ]

PS1: -1, PS2: -1, PS3: -1, PS4: 0, PS5: -1, PS6: -1

Start time (from RC): 11:21
Stop time (from RC): 11:38

Settings Verified? [x] HV OK? [x] 50k OK? [x]

hTRIG1 rate: 28159
hTRIG3 rate: 1277
hTRIG4 rate: 1091
hTRIG5 rate: —
hTRIG6 rate: —

Data ok [x] Junk [ ]

coin_sparse [ ] coin [ ] coin_sparse_low [ ]

Comments: Carbon 0.5%, 10 μA

Events ____ Charge ____C

Active trigger LiveTime fraction (NPS Scaler Gui): —

Max NPS anode current (single crystal): — (μA)

Run Number: 6982
I_{beam}: 5 μA
- [ ] LH2 10cm
- [ ] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [x] C 0.5% rl.l
- [ ]

PS1: -1, PS2: -1, PS3: -1, PS4: 0, PS5: -1, PS6: -1

Start time (from RC): 11:42
Stop time (from RC): 12:00

Settings Verified? [x] HV OK? [x] 50k OK? [x]

hTRIG1 rate: —
hTRIG3 rate: —
hTRIG4 rate: —
hTRIG5 rate: —
hTRIG6 rate: —

Data ok [x] Junk [ ]

coin_sparse [ ] coin [ ] coin_sparse_low [ ]

Comments: Carbon 0.5%, 5 μA

Events ____ Charge ____C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 1.27 (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 / 18 (yy / mm / dd) Initials: A.Hogh

Kinematics: KinC_x SO_2

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +0.667 (From GUI) θ(TV): 12.50 (Nearest 0.005)

SHMS θ(TV): 36.90 (Nearest 0.005)

NPS θ = SHMS −16.30° 20.578 (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	1.79 mm	0.29 mm
Nomin:		Nomin:

3H07C	X	Y
	0.71 mm	0.31 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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Run Number: 6983

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): 12:18

Stop time (from RC): 12:39

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 11941 | hTRIG3 rate: 87 | hTRIG4 rate: 65

hTRIG5 rate: 41 | hTRIG6 rate: 40.5

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: Problems with Data

Events ____ Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 122 (μA)

Run Number: 6984

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): 12:57

Stop time (from RC): 13:23

☐ Settings Verified? ☐ HV OK? ☐ 50k OK?

hTRIG1 rate: — | hTRIG3 rate: — | hTRIG4 rate: —

hTRIG5 rate: — | hTRIG6 rate: —

☐ Data ok ☑ Junk

coin_sparse ☐ *coin* ☐ *coin_sparse_low* ☐

Comments: Problems with Data

Events ____ Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): — (μA)

Run Number: 6985

I_{beam}: 30 μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.I ☑ Optics #2

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 13:39

Stop time (from RC): 14:10

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 43819 | hTRIG3 rate: 181 | hTRIG4 rate: 118

hTRIG5 rate: 44 | hTRIG6 rate: 41.5

☑ Data ok ☐ Junk

coin_sparse ☐ *coin* ☐ *coin_sparse_low* ☐

Comments: Optics 2 ±3cm, No sweep

Events 200K Charge ____ C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 1.42 (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 / 05 / 18 (yy / mm / dd) Initials: H.M.

Kinematics: KinC_x 36-3

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.539 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

3H07A	X	Y
	1.79 mm	0.29 mm
Nomin:		Nomin:

3H07C	X	Y
	0.68 mm	0.32 mm
Nomin:		Nomin:

HMS

p: +⊖ 6.117 (From GUI) θ(TV): 12.493 (Nearest 0.005)

SHMS

θ(TV): 32.26 (Nearest 0.005)

NPS

θ = SHMS −16.30° 15.960 (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: 6986

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): 14:37

Stop time (from RC): 15:11

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 2.58e5 hTRIG3 rate: 2996 hTRIG4 rate: 2321

hTRIG5 rate: 232 hTRIG6 rate: 194

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 1 Dummy

Events 3.9M Charge 8.01 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 1.80 (μA)

Run Number: 6987

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: -1

Start time (from RC): 15:27

Stop time (from RC): 15:57

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 8.70×10^5 hTRIG3 rate: 7850 hTRIG4 rate: 6223

hTRIG5 rate: 1554 hTRIG6 rate: 1151

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 1/3 LD2

Events 5M Charge 7.6 C

Active trigger LiveTime fraction (NPS Scaler Gui): 100

Max NPS anode current (single crystal): 2.08 (μA)

Run Number: 6988

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: -1

Start time (from RC): 15:58

Stop time (from RC): 16:29

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 8.69×10^5 hTRIG3 rate: 7912 hTRIG4 rate: 6269

hTRIG5 rate: 1527 hTRIG6 rate: 1223

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 2/3 LD_2

Events 5.3M Charge 8 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.8%

Max NPS anode current (single crystal): 1.98 (μA)

Run Number: 6989

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: -1

Start time (from RC): 16:30

Stop time (from RC): 17:00

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 8.64×10^5 hTRIG3 rate: 7954 hTRIG4 rate: 6235

hTRIG5 rate: 1528 hTRIG6 rate: 1245

☑ Data ok ☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: 3/3 LD_2

Events 5.1M Charge 7.6 C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.8%

Max NPS anode current (single crystal): 2.02 (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 / 05 / 18 (yy / mm / dd) Initials: H.M.

Kinematics: KinC_x 36_3

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.539 GeV

Raster: ☑ On ☐ Off Size: _____

Beam position and angle on target:

3H07A	X	Y
	1.80 mm	0.27 mm
Nomin:		Nomin:
3H07C	X	Y
	0.70 mm	0.30 mm
Nomin:		Nomin:

HMS p: +/- 6.117 (From GUI) θ(TV): 12.50 (Nearest 0.005)

SHMS θ(TV): 32.27 (Nearest 0.005)

NPS θ = SHMS 15.96 −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: 6990 | I_{beam}: 10 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): 17:14 | Stop time (from RC): 17:43

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 8.08×10^5 | hTRIG3 rate 7999 | hTRIG4 rate 6417 | hTRIG5 rate 1469 | hTRIG6 rate 1193

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/3 LH_2 End run failed Need to restart Coda

Events 5.9M | Charge ____ C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.4% | Max NPS anode current (single crystal) 2.76 (μA)

Run Number: 6991 | I_{beam}: 10 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): 17:49 | Stop time (from RC): 18:21

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 8.32×10^5 | hTRIG3 rate 8324 | hTRIG4 rate 6703 | hTRIG5 rate 1553 | hTRIG6 rate 1269

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/3 LH_2

Events 5.57M | Charge 16 C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.8 | Max NPS anode current (single crystal) 2.86 (μA)

Run Number: 6992 | I_{beam}: 10 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): 18:22 | Stop time (from RC): 18:54

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 8.03×10^5 | hTRIG3 rate 7993 | hTRIG4 rate 6435 | hTRIG5 rate 1441 | hTRIG6 rate 1201

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 3/3 LH_2

Events 5.26M | Charge 15 C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9 | Max NPS anode current (single crystal) 2.77 (μA)

Run Number: 6993 | I_{beam}: 10 μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☑ C 0.5% rl.l ☐ _____

PS1: — PS2: — PS3: — PS4: 0 PS5: — PS6: —

Start time (from RC): 19:05 | Stop time (from RC): 19:20

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 9114 | hTRIG3 rate 1557 | hTRIG4 rate 1307 | hTRIG5 rate 98 | hTRIG6 rate 87

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Carbon 0.5%

Events 990 | Charge 7.4C | Active trigger LiveTime fraction (NPS Scaler Gui) 100% | Max NPS anode current (single crystal) 1.02 (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 / 05 / 18 (yy / mm / dd) Initials: H. M.

Kinematics: KinC_x 36.3

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
	1.80 mm	0.30 mm		0.68 mm	0.31 mm
Nomin:		Nomin:	Nomin:		Nomin:

HMS p: +/- 6.117 From GUI θ(TV): 12.50 Nearest 0.005

SHMS θ(TV): 32.27 Nearest 0.005

NPS θ = SHMS −16.30° 15.96 Nearest 0.005

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468 Amp | NPS Upstream Corr. I = 7 Amp | NPS Upstream Corr. I = ____ Amp

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Run Number: 6995 | I_{beam}: 5 μA

☐ LH2 10cm ☐ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ C 0.5%

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 19:21 Stop time (from RC): 19:37

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 43480 | hTRIG3 rate 777 | hTRIG4 rate 633 | hTRIG5 rate 66 | hTRIG6 rate 61

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Carbon 0.5%

Events 543K Charge 4 C | Active trigger LiveTime fraction (NPS Scaler Gui) 100 % | Max NPS anode current (single crystal) 1.21 (μA)

Run Number: 6996 | 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): 19:43 Stop time (from RC): 20:13

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 2.55×10^5 | hTRIG3 rate 2998 | hTRIG4 rate 2207 | hTRIG5 rate 228 | hTRIG6 rate 190

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Dummy

Events 4M Charge 8.4C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.8% | Max NPS anode current (single crystal) 1.83 (μA)

Run Number: 6997 | 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: -1

Start time (from RC): 20:22 Stop time (from RC): 20:52

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 8.17×10^5 | hTRIG3 rate 7627 | hTRIG4 rate 5988 | hTRIG5 rate 1537 | hTRIG6 rate 1248

☑ Data ok ☐ Junk

☐ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 1/3 LD_2

Events 5M Charge 7.6C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.9 | Max NPS anode current (single crystal) 1.92 (μA)

Run Number: 6998 | 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: -1

Start time (from RC): 20:53 Stop time (from RC): 21:24

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate 8.56×10^5 | hTRIG3 rate 7312 | hTRIG4 rate 6136 | hTRIG5 rate 1533 | hTRIG6 rate 1198

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: 2/3 LD_2

Events 5M Charge 7.6 C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.8% | Max NPS anode current (single crystal) 1.87 (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 / 05 / 18 (yy / mm / dd) Initials: H.M.

Kinematics: KinC_x 36_3

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.538 GeV

Raster: ☑ On ☐ Off Size: 2x2

HMS p: +/- 6.117 From GUI θ(TV): 12.50 Nearest 0.005

SHMS θ(TV): 32.27 Nearest 0.005

NPS θ = SHMS −16.30° 15.96 Nearest 0.005

Beam position and angle on target:

	X	Y
3H07A	1.81 mm	0.30 mm
Nomin:		
3H07C	0.70 mm	0.28 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: 6999 | I_{beam}: 5 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): 21:25 | Stop time (from RC): 21:57

Settings Verified? ☑ HV OK? ☑ 50k OK? ☑

hTRIG1 rate 8.54×10^5 | hTRIG3 rate 7932 | hTRIG4 rate 6221 | hTRIG5 rate 1510 | hTRIG6 rate 1201

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/3 LD_2

Events 4.8M | Charge 7.3C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.8% | Max NPS anode current (single crystal) 1.99 (μA)

Run Number: 7000 | I_{beam}: 10 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): 22:08 | Stop time (from RC): 22:39

Settings Verified? ☑ HV OK? ☑ 50k OK? ☑

hTRIG1 rate 8.18×10^5 | hTRIG3 rate 8180 | hTRIG4 rate 6362 | hTRIG5 rate 1502 | hTRIG6 rate 1203

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 1/3 LH_2

Events 5.4M | Charge 15.0C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.8% | Max NPS anode current (single crystal) 2.82 (μA)

Run Number: 7001 | I_{beam}: 10 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): 22:40 | Stop time (from RC): 23:10

Settings Verified? ☑ HV OK? ☑ 50k OK? ☑

hTRIG1 rate 8.0×10^5 | hTRIG3 rate 8050 | hTRIG4 rate 6537 | hTRIG5 rate 1424 | hTRIG6 rate 1209

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 2/3 LH_2

Events 5.6M | Charge 16.3C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.7% | Max NPS anode current (single crystal) 2.74 (μA)

Run Number: 7002 | I_{beam}: 10 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): 23:11 | Stop time (from RC): 23:41

Settings Verified? ☑ HV OK? ☑ 50k OK? ☑

hTRIG1 rate 8.06×10^5 | hTRIG3 rate 8054 | hTRIG4 rate 6584 | hTRIG5 rate 1474 | hTRIG6 rate 1191

Data ok ☑ Junk ☐

coin_sparse ☑ coin ☐ coin_sparse_low ☐

Comments: 3/3 LH_2

Events 5.2M | Charge 15.5C | Active trigger LiveTime fraction (NPS Scaler Gui) 99.8% | Max NPS anode current (single crystal) 2.75 (μA)

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 24 / 05 / ___ (yy mm dd)

Initials: ______

Use a separate sheet for each configuration.

Kinematics: KinC_x 60_3

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: ________

HMS, field, current OK? yes [x] no [ ]

E_{beam}: 10.539 GeV

Raster: [x] On [ ] Off
Size: 2 X 2

Beam position and angle on target:

3H07A X mm	Y mm
Nomin:	Nomin:
3H07C X mm	Y mm
Nomin:	Nomin:

HMS p: +/- 5.878 (From GUI) θ(TV): 16.48 (Nearest 0.005)

SHMS θ(TV): ______ (Nearest 0.005)

NPS θ = SHMS −16.30° ______ (Nearest 0.005)

Collimator: HMS: Large [x] Sieve [ ] | NPS Sweep Magnet I = 468 Amp | NPS Upstream Corr. I = — Amp | NPS Upstream Corr. I = — Amp

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Run Number:	[ ] LH2 10cm	PS1: ____	Start time (from RC):	[ ] Settings Verified?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
I_{beam}: ____ μA	[ ] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.l [ ] ______	PS2: ____ PS3: ____ PS4: ____ PS5: ____ PS6: ____	Stop time (from RC):	[ ] HV OK? [ ] 50k OK?	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:	[ ] LH2 10cm	PS1: ____	Start time (from RC):	[ ] Settings Verified?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
I_{beam}: ____ μA	[ ] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.l [ ] ______	PS2: ____ PS3: ____ PS4: ____ PS5: ____ PS6: ____	Stop time (from RC):	[ ] HV OK? [ ] 50k OK?	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:	[ ] LH2 10cm	PS1: ____	Start time (from RC):	[ ] Settings Verified?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
I_{beam}: ____ μA	[ ] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.l [ ] ______	PS2: ____ PS3: ____ PS4: ____ PS5: ____ PS6: ____	Stop time (from RC):	[ ] HV OK? [ ] 50k OK?	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:	[ ] LH2 10cm	PS1: ____	Start time (from RC):	[ ] Settings Verified?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
I_{beam}: ____ μA	[ ] LD2 10cm [ ] Dummy 10cm [ ] Optics#1 8cm [ ] C 0.5% rl.l [ ] ______	PS2: ____ PS3: ____ PS4: ____ PS5: ____ PS6: ____	Stop time (from RC):	[ ] HV OK? [ ] 50k OK?	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 / 05 / 19 (yy / mm / dd) Initials: BzV

Kinematics: KinC_x 60-3

Purpose:
- ☐ Production
- ☐ Test
- ☐ Optics
- ☑ Other: lumi

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.598 GeV

Raster: ☑ On ☐ Off Size: 2X2

Beam position and angle on target:

	X	Y
3H07A	1.40 mm (Nomin: 1.85)	0.320 mm (Nomin: 0.3)
3H07C	0.682 mm (Nomin: 0.75)	0.331 mm (Nomin: 0.3)

HMS
p: +5.878 (From GUI) θ(TV): 16.485 (Nearest 0.005)

SHMS
θ(TV): 36.445 (Nearest 0.005)

NPS
θ = SHMS −16.30°: 20.145 (Nearest 0.005)

Collimator: HMS: Large ☐ Sieve ☐ | NPS Sweep Magnet I = 468.0 Amp | NPS Upstream Corr. I = ____ Amp | NPS Upstream Corr. I = ____ Amp

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Run Number: 7003
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): 00:34
Stop time (from RC): 00:41
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate: 1.42e+05 | hTRIG3 rate: 817.0 | hTRIG4 rate: 608.0
hTRIG5 rate: 82.9 | hTRIG6 rate: 72.5
☑ Data ok ☐ Junk
☑ coin_sparse ☐ coin ☐ coin_sparse_low
Comments: Lumi scan 40 μA
Events ~200K Charge 13.4 mC
Active trigger LiveTime fraction (NPS Scaler Gui): 100 %
Max NPS anode current (single crystal): 1.41 (μA)

Run Number: 7004
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): 00:42
Stop time (from RC): 00:50
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate: 1.02e+05 | hTRIG3 rate: 621.1 | hTRIG4 rate: 474.9
hTRIG5 rate: 66.2 | hTRIG6 rate: 60.7
☑ Data ok ☐ Junk
☑ coin_sparse ☐ coin ☐ coin_sparse_low
Comments: lumi Scan 30 μA
Events 208K Charge 12.9 mC
Active trigger LiveTime fraction (NPS Scaler Gui): 100 %
Max NPS anode current (single crystal): 1.69 (μA)

Run Number: 7005
I_{beam}: (20) ~~30~~ ~~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): 01:02
Stop time (from RC): 01:15
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate: ~~64~~400.0 | hTRIG3 rate: 412.1 | hTRIG4 rate: 342.3
hTRIG5 rate: 51.2 | hTRIG6 rate: 50.0
☑ Data ok ☐ Junk
☑ coin_sparse ☐ coin ☐ coin_sparse_low
Comments: ~~40~~ 20 ~~30~~ Lumi Scan ~~20~~ μA
Events 212K Charge 12.0 mC
Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 %
Max NPS anode current (single crystal): 1.52 (μA)

Run Number: 7006
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): 01:16
Stop time (from RC): 01:39
☑ Settings Verified? ☑ HV OK? ☑ 50k OK?
hTRIG1 rate: 30040.6 | hTRIG3 rate: 223.2 | hTRIG4 rate: 182.1
hTRIG5 rate: 44.2 | hTRIG6 rate: 44.0
☑ Data ok ☐ Junk
☑ coin_sparse ☐ in ☐ coin_sparse_low
Comments: Lumi Scan 10 μA
Events 222K Charge 11.5 mC
Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 %
Max NPS anode current (single crystal): 1.19 (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 / 19 (yy mm dd) Initials: BV

Kinematics: KinC_x 60_3

Purpose:
- ☐ Production
- ☐ Test
- ☐ Optics
- ☒ Other: lumi

HMS, field, current OK? yes ☑ no ☐

E$_{beam}$: 10.539 GeV

Raster: ☑ On ☐ Off
Size: 2x2

Beam position and angle on target:

3H07A X	3H07A Y
1.79 mm	0.291 mm
Nomin: 1.85	Nomin: 0.3

3H07C X	3H07C Y
0.714 mm	0.289 mm
Nomin: 0.79	Nomin: 0.3

HMS: p: +/- 5.878 (From GUI) θ(TV): 16.485 (Nearest 0.005)

SHMS: θ(TV): 36.445 (Nearest 0.005)

NPS: θ = SHMS −16.30° 20.145 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | *NPS Sweep Magnet I =* 468.0 *Amp* | *NPS Upstream Corr. I =* — *Amp* | NPS Upstream Corr. I = — Amp

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Run Number: 7007

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): 01:40
Stop time (from RC): 02:13

☑ Settings Verified?
☑ HV OK?
☑ 50k OK?

hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
16135.9	143.8	121.9

hTRIG5 rate	hTRIG6 rate
42.9	42.2

☑ Data ok
☐ Junk

coin_sparse ☑ *coin* ☐ *coin_sparse_low* ☐

Comments: lumi Scan 5µA

Events 209k
Charge 9.1 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100 %

Max NPS anode current (single crystal): 1.29 (µA)

Run Number:

I$_{beam}$: ______ µA

- ☐ LH2 10cm
- ☐ LD2 10cm
- ☐ Dummy 10cm
- ☐ Optics#1 8cm
- ☐ C 0.5% rl.l
- ☐ ______

PS1: ______
PS2: ______
PS3: ______
PS4: ______
PS5: ______
PS6: ______

Start time (from RC):
Stop time (from RC):

☐ Settings Verified?
☐ HV OK?
☐ 50k OK?

hTRIG1 rate	hTRIG3 rate	hTRIG4 rate

hTRIG5 rate	hTRIG6 rate

☐ Data ok
☐ Junk

coin_sparse ☐ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events ______
Charge ______ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (µA)

Run Number:

I$_{beam}$: ______ µA

- ☐ LH2 10cm
- ☐ LD2 10cm
- ☐ Dummy 10cm
- ☐ Optics#1 8cm
- ☐ C 0.5% rl.l
- ☐ ______

PS1: ______
PS2: ______
PS3: ______
PS4: ______
PS5: ______
PS6: ______

Start time (from RC):
Stop time (from RC):

☐ Settings Verified?
☐ HV OK?
☐ 50k OK?

hTRIG1 rate	hTRIG3 rate	hTRIG4 rate

hTRIG5 rate	hTRIG6 rate

☐ Data ok
☐ Junk

coin_sparse ☐ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events ______
Charge ______ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (µA)

Run Number:

I$_{beam}$: ______ µA

- ☐ LH2 10cm
- ☐ LD2 10cm
- ☐ Dummy 10cm
- ☐ Optics#1 8cm
- ☐ C 0.5% rl.l
- ☐ ______

PS1: ______
PS2: ______
PS3: ______
PS4: ______
PS5: ______
PS6: ______

Start time (from RC):
Stop time (from RC):

☐ Settings Verified?
☐ HV OK?
☐ 50k OK?

hTRIG1 rate	hTRIG3 rate	hTRIG4 rate

hTRIG5 rate	hTRIG6 rate

☐ Data ok
☐ Junk

coin_sparse ☐ *coin* ☐ *coin_sparse_low* ☐

Comments:

Events ______
Charge ______ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (µA)

p(e,e'γ) p Run Sheet

hallcweb.jlab.org/wiki/index.php/File:Runsheet_dvcs_NPS.pdf

Date: 24/05/19 (yy/mm/dd) Initials: GV

Use a separate sheet for each configuration.

Kinematics: KinC_x 60_3

Purpose:
- [ ] Production
- [ ] Test
- [x] 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	Y
1.81 mm	0.272 mm
Nomin: 1.85	Nomin: 0.3

3H07C X	Y
0.701 mm	0.288 mm
Nomin: 0.75	Nomin: 0.3

HMS p: +/- 5.878 (From GUI) θ(TV): 16.485 (Nearest 0.005)

SHMS θ(TV): 36.445 (Nearest 0.005)

NPS θ = SHMS −16.30° 20.145 (Nearest 0.005)

Collimator: HMS: Large [ ] Sieve [x] | *NPS Sweep Magnet I = 0 Amp* | *NPS Upstream Corr. I = — Amp* | NPS Upstream Corr. I = — Amp

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Run Number: 7008

I_{beam}: 30 μA

- [ ] LH2 10cm
- [ ] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [x] optics#2 3cm

PS1: -1
PS2: -1
PS3: -1
PS4: 0
PS5: -1
PS6: -1

Start time (from RC): 02:24
Stop time (from RC): 02:54

- [x] Settings Verified?
- [x] HV OK?
- [x] 50k OK?

hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
48922.8	85.4	51.4

hTRIG5 rate	hTRIG6 rate
40.5	41.2

- [x] Data ok
- [ ] Junk

- [x] *coin_sparse*
- [ ] *coin*
- [ ] *coin_sparse_low*

Comments: Optics #2 3cm C HMS on Sieve NPS sweep OFF

Events 91 k
Charge 41.6 mC

Active trigger LiveTime fraction (NPS Scaler Gui): 100 %

Max NPS anode current (single crystal): 1.42 (μA)

Run Number: ______

I_{beam}: ______ μA

- [ ] LH2 10cm
- [ ] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [ ] ______

PS1: ___ PS2: ___ PS3: ___ PS4: ___ PS5: ___ PS6: ___

Start time (from RC):
Stop time (from RC):

- [ ] Settings Verified?
- [ ] HV OK?
- [ ] 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate

- [ ] Data ok
- [ ] Junk

- [ ] *coin_sparse*
- [ ] *coin*
- [ ] *coin_sparse_low*

Comments:

Events ____
Charge ____ *C*

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: ______

I_{beam}: ______ μA

- [ ] LH2 10cm
- [ ] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [ ] ______

PS1: ___ PS2: ___ PS3: ___ PS4: ___ PS5: ___ PS6: ___

Start time (from RC):
Stop time (from RC):

- [ ] Settings Verified?
- [ ] HV OK?
- [ ] 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate

- [ ] Data ok
- [ ] Junk

- [ ] *coin_sparse*
- [ ] *coin*
- [ ] *coin_sparse_low*

Comments:

Events ____
Charge ____ *C*

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: ______

I_{beam}: ______ μA

- [ ] LH2 10cm
- [ ] LD2 10cm
- [ ] Dummy 10cm
- [ ] Optics#1 8cm
- [ ] C 0.5% rl.l
- [ ] ______

PS1: ___ PS2: ___ PS3: ___ PS4: ___ PS5: ___ PS6: ___

Start time (from RC):
Stop time (from RC):

- [ ] Settings Verified?
- [ ] HV OK?
- [ ] 50k OK?

hTRIG1 rate | hTRIG3 rate | hTRIG4 rate | hTRIG5 rate | hTRIG6 rate

- [ ] Data ok
- [ ] Junk

- [ ] *coin_sparse*
- [ ] *coin*
- [ ] *coin_sparse_low*

Comments:

Events ____
Charge ____ *C*

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

p(e,e'γ) p Run Sheet

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Use a separate sheet for each configuration.

Date: 24 / 05 / __ (yy / mm / dd) Initials: GV

Kinematics: KinC_x 60-3

Purpose: ☑ Production ☐ Test ☐ Optics ☐ Other: _____

HMS, field, current OK? yes ☑ no ☐

E_{beam}: 10.539 GeV

Raster: ☑ On ☐ Off Size: 2x2

Beam position and angle on target:

	X	Y
3H07A	1.81 mm (Nomin: 1.85)	0.313 mm (Nomin: 0.3)
3H07C	0.702 mm (Nomin: 0.75)	0.304 mm (Nomin: 0.3)

HMS p: ~~5.878~~ (From GUI) θ(TV): 16.495 (Nearest 0.005)

SHMS θ(TV): 36.445 (Nearest 0.005)

NPS θ = SHMS −16.30°: 20.145 (Nearest 0.005)

Collimator: HMS: Large ☑ Sieve ☐ | NPS Sweep Magnet I = 468.0 Amp | NPS Upstream Corr. I = ____ Amp | NPS Upstream Corr. I = ____ Amp

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Run Number: 7009 | I_{beam}: 20 μA

☐ LH2 10cm ☐ LD2 10cm ☑ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 03:07 | Stop time (from RC): 03:40

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 5.08e+05 | hTRIG3 rate: 1591.4 | hTRIG4 rate: 1076.5 | hTRIG5 rate: 222.1 | hTRIG6 rate: 164.1

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: Dummy 1/1

Events 1.67M | Charge 29.2 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 % | Max NPS anode current (single crystal): 2.97 (μA)

Run Number: 7010 | I_{beam}: 20 μA

☐ LH2 10cm ☑ LD2 10cm ☐ Dummy 10cm ☐ Optics#1 8cm ☐ C 0.5% rl.l ☐ _____

PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1

Start time (from RC): 03:50 | Stop time (from RC): 04:20

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.70e+06 | hTRIG3 rate: 4223.4 | hTRIG4 rate: 2940.4 | hTRIG5 rate: 1592.0 | hTRIG6 rate: 1167.5

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LD2 1/3

Events 4.87M | Charge 30.7 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.2 % | Max NPS anode current (single crystal): 3.36 (μA)

Run Number: 7011 | 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): 04:21 | Stop time (from RC): 04:51

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.69e+06 | hTRIG3 rate: 4290.9 | hTRIG4 rate: 2971.5 | hTRIG5 rate: 1546.7 | hTRIG6 rate: 1117.3

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LD2 2/3

Events 4.77M | Charge 29.7 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.4 % | Max NPS anode current (single crystal): 3.19 (μA)

Run Number: 7012 | 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): 04:52 | Stop time (from RC): 05:22

☑ Settings Verified? ☑ HV OK? ☑ 50k OK?

hTRIG1 rate: 1.70e+06 | hTRIG3 rate: 4310.5 | hTRIG4 rate: 3030.4 | hTRIG5 rate: 1564.4 | hTRIG6 rate: 1138.4

☑ Data ok ☐ Junk

☑ coin_sparse ☐ coin ☐ coin_sparse_low

Comments: LD2 3/3

Events 4.77M | Charge 30.5 mC | Active trigger LiveTime fraction (NPS Scaler Gui): 99.2 % | Max NPS anode current (single crystal): 3.08 (μA)