

p(e,e' γ) p Run Sheet

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

Date: 23/9/26
yy mm dd

Initials: WH

Use a separate sheet for each configuration.

HMS

Configuration Name:
Elastic

Purpose:

- Production
 Test
 Optics
 Other: Calibration

E_{beam} : 10.5 GeV I_{beam} : 30 μ A

Raster: On Off
Size: _____

Q1	I-SET (from PSU) <u>532.47A</u> B-HALL <u>-0.720 T</u>
Q2	I-SET (from PSU) <u>423.398A</u> B-HALL <u>0.906 T</u>
Q3	I-SET (from PSU) <u>205.892A</u> B-HALL <u>-0.420 T</u>
D	I-READ <u>1250.7 A</u> B-NMR <u>3.0690200T</u>
If momentum increased: <input checked="" type="checkbox"/> HMS cycled?	

HMS 31.19
 p : +/- 29.86 θ (TV): 31.185
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.5</u> mm	<u>0</u> mm	
Nomin:		Nomin:
3H07C	X	Y
<u>0.5</u> mm	<u>0</u> mm	
Nomin:		Nomin:

SHMS 29.86 NPS
 θ (TV): 31.185 θ = SHMS 14.56
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve

Run Number: <u>1458</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: <u>0</u> PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): <u>23:01</u> Stop time (from RC):	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate <u>0</u> COIN (T6) rate <u>0</u>	Calo (T1) rate prescale pretrig: <u>2 MHz</u> e- γ evts: <u>0</u>	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: replay errors Max NPS anode (μ A): 4.8

Run Number: <u>1459, 1460</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Junk Max NPS anode (μ A):

Run Number: <u>1461</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>00:57</u> Stop time (from RC): <u>02:02</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>3.7</u> COIN (T6) rate <u>2.0</u>	Calo (T1) rate prescale pretrig: <u>2.02</u> e- γ evts: <u>0</u>	COIN (T5) rate pretrig: <u>28.5</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: sparsification off Max NPS anode (μ A): 8.40

Run Number: <u>1462</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>02:05</u> Stop time (from RC): <u>02:44</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>5.5</u> COIN (T6) rate <u>1</u>	Calo (T1) rate prescale pretrig: <u>2.04</u> e- γ evts: <u>0</u>	COIN (T5) rate pretrig: <u>29.5</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: sparsification on Max NPS anode (μ A): 8.3

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

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

Date: / /
yy mm dd

Initials:

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Purpose:

- Production
 Test
 Optics
 Other: _____

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

Raster: On Off
Size: _____

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

Beam position and angle on target:

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

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

Collimator: **HMS: Large**
 Sieve

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

Run Number: 1463	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> _____	PS1: -1 PS2: 7 PS3: 0 PS4: 7 PS5: 7 PS6: 7	Start time (from RC): 02:46 Stop time (from RC): 03:09	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate 4.7 COIN (T6) rate 1.9	Calo (T1) rate prescale pretrig: 2.03 e-γ evts: 0	COIN (T5) rate pretrig: 32.7 <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: sparse on							Max NPS anode (μA) 8.3

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC): 	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (μA)

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC): 	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (μA)

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC): 	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (μA)

p(e,e' γ) p Run Sheet

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Date: / / Initials:
 yy mm dd

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

elastic

Purpose:
 Production
 Test
 Optics
 Other: cali

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

HMS
p: +/- 4.027 θ (TV): 29.26
From GUI Nearest 0.005

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

Collimator: **HMS: Large**
 Sieve

Raster: On Off
Size: 2x2 mm

Beam position and angle on target:

3H07A	X	Y
<u>1.4067</u> mm		<u>0.0065</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.489</u> mm		<u>0.009</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU)	<u>532.45</u> A
	B-HALL	<u>-0.71670</u> T
Q2	I-SET (from PSU)	<u>423.35</u> A
	B-HALL	<u>0.90621</u> T
Q3	I-SET (from PSU)	<u>205.84</u> A
	B-HALL	<u>-0.41704</u> T
D	I READ	<u>1253.01</u> A
	B-NMR	<u>1.10250</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?		

Run Number: 1464
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: 0
 Optics#1 8cm PS4: -1
 C 0.5% r.l. PS5: -1
 _____ PS6: -1

Start time (from RC): 03.24 Settings Verified?
Stop time (from RC): 04.24 HV OK?
 50k OK?

HMS (T4) rate: 5.2 **Calo (T1) rate prescale pretrig:** 2.02 **COIN (T5) rate pretrig:** 30.2
COIN (T6) rate: 1.5 **e- γ evts:** 0 Data ok
 Junk

Comments: sparse off **Max NPS anode (μ A):** 6.19

Run Number: 1465
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: 0
 Optics#1 8cm PS4: -1
 C 0.5% r.l. PS5: -1
 _____ PS6: -1

Start time (from RC): 04.28 Settings Verified?
Stop time (from RC): 05.28 HV OK?
 50k OK?

HMS (T4) rate: 4.2 **Calo (T1) rate prescale pretrig:** 2.01 **COIN (T5) rate pretrig:** 24.5
COIN (T6) rate: 1.7 **e- γ evts:** 0 Data ok
 Junk

Comments: sparse on **Max NPS anode (μ A):** 6.43
Junk

Run Number: 1466
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: 0
 Optics#1 8cm PS4: -1
 C 0.5% r.l. PS5: -1
 _____ PS6: -1

Start time (from RC): _____ Settings Verified?
Stop time (from RC): _____ HV OK?
 50k OK?

HMS (T4) rate: _____ **Calo (T1) rate prescale pretrig:** _____ **COIN (T5) rate pretrig:** _____
COIN (T6) rate: _____ **e- γ evts:** _____ Data ok
 Junk

Comments: Junk **Max NPS anode (μ A):** _____

Run Number: 1467
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: 0
 Optics#1 8cm PS4: -1
 C 0.5% r.l. PS5: -1
 _____ PS6: -1

Start time (from RC): 06.32 Settings Verified?
Stop time (from RC): 07.33 HV OK?
 50k OK?

HMS (T4) rate: 5.2 **Calo (T1) rate prescale pretrig:** 2 **COIN (T5) rate pretrig:** 30.7
COIN (T6) rate: 3.2 **e- γ evts:** 0 Data ok
 Junk

Comments: _____ **Max NPS anode (μ A):** 6.27

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

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Date: ___/___/___ Initials: ___
 yy mm dd

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

 Elastic

Purpose:
 Production
 Test
 Optics
 Other: *cali*

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

Raster: On Off
 Size: *2x2 mm*

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

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

Beam position and angle on target:

3H07A	X	Y
<i>1.5</i> mm		<i>0</i> mm
Nomin:		Nomin:
3H07C	X	Y
<i>0.5</i> mm		<i>0</i> mm
Nomin:		Nomin:

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

Collimator: HMS: Large Sieve

Run Number: <i>1468</i>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <i>-1</i> PS2: <i>-1</i> PS3: <i>0</i> PS4: <i>-1</i> PS5: <i>-1</i> PS6: <i>-1</i>	Start time (from RC): <i>08:15</i> Stop time (from RC): <i>08:46</i>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate: <i>4 Hz</i> COIN (T6) rate: <i>1.5 Hz</i>	Calo (T1) rate prescale <i>1</i> pretrig: <i>2 MHz</i> $e-\gamma$ evts:	COIN (T5) rate pretrig: <i>29 Hz</i> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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switched to coin config. sparse off.
 Helicity decoder showed errors (patter mismatch).
~~Run ended early (ESSY PSS drop)~~

Max NPS anode (μA)

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: $e-\gamma$ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Max NPS anode (μA)

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: $e-\gamma$ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Max NPS anode (μA)

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: $e-\gamma$ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Max NPS anode (μA)

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

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Date 23/09/27
yy mm dd

Initials: CEH

Use a separate sheet for each configuration.

HMS

Configuration Name: Elastic

Purpose:

- Production
 Test
 Optics
 Other: Elastic

E_{beam} : 10,538 GeV I_{beam} : 30 μA

Raster: On Off
 Size: 2x2

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

Beam position and angle on target:

3H07A	X	Y
<u>1.5</u> mm	<u>0</u> mm	
Nomin:		Nomin:
3H07C	X	Y
<u>0.5</u> mm	<u>0</u> mm	
Nomin:		Nomin:

HMS
 p : +/- _____ $\theta(TV)$: 29.86
From GUI Nearest 0.005

SHMS **NPS**
 $\theta(TV)$: 33.47 $\theta =$ SHMS 17.17
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve

Run Number: <u>1469</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>7</u> PS2: <u>7</u> PS3: <u>0</u> PS4: <u>7</u> PS5: <u>7</u> PS6: <u>7</u>	Start time (from RC): <u>08:54</u> Stop time (from RC): <u>09:03</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate: <u>5.3</u> COIN (T6) rate: <u>2.0</u>	Calo (T1) rate prescale pretrig: <u>1.7M4</u> e- γ evts:	COIN (T5) rate pretrig: <u>32.7</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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SHMS angle changed to 33.47°.
 Run ended early due to BSY PSS drop.

Max NPS anode (μA)

Run Number: <u>1470</u> <u>-1472</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate: _____ COIN (T6) rate: _____	Calo (T1) rate prescale pretrig: _____ e- γ evts:	COIN (T5) rate pretrig: _____ <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Junk, no beam

Max NPS anode (μA)

Run Number: <u>1473</u> <u>1475</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate: _____ COIN (T6) rate: _____	Calo (T1) rate prescale pretrig: _____ e- γ evts:	COIN (T5) rate pretrig: _____ <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Junk

Max NPS anode (μA)

Run Number: _____	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate: _____ COIN (T6) rate: _____	Calo (T1) rate prescale pretrig: _____ e- γ evts:	COIN (T5) rate pretrig: _____ <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Max NPS anode (μA)

p(e,e γ) p Run Sheet

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Date: 23 / 9 / 28
 yy mm dd

Initials: CEH

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Elastic

Purpose:
 Production
 Test
 Optics
 Other: Cal.

E_{beam}: _____ GeV **I_{beam}:** 30 μ A

Raster: On Off
Size: 2x2

Q1	I-SET (from PSU)	<u>532.43</u>	A
	B-HALL	<u>-0.7171</u>	T
Q2	I-SET (from PSU)	<u>423.36</u>	A
	B-HALL	<u>0.90354</u>	T
Q3	I-SET (from PSU)	<u>205.84</u>	A
	B-HALL	<u>-0.41742</u>	T
D	I READ	<u>1252.98</u>	A
	B-NMR	<u>1.10622</u>	T

If momentum increased:
 HMS cycled?

HMS
p: +/- 12.082 **θ (TV):** 29.86
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.49</u>	mm	<u>0</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.49</u>	mm	<u>0</u> mm
Nomin:		Nomin:

SHMS
 θ (TV): 33.48
Nearest 0.005

NPS
 θ = SHMS 17.18
-16.30° Nearest 0.005

Collimator: **HMS:** Large
 Sieve

Run Number: <u>1476</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I <input type="checkbox"/> _____	PS1: <u>-1</u>	Start time (from RC): <u>02:32</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:	
		PS2: <u>-1</u>			Stop time (from RC): <u>02:52</u>	COIN (T6) rate	e- γ evts:	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (μA)	

Run Number: <u>1479</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I <input type="checkbox"/> _____	PS1: <u>-1</u>	Start time (from RC): <u>04:47</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:	
		PS2: <u>-1</u>			Stop time (from RC): <u>12:46</u>	COIN (T6) rate	e- γ evts:	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>Cosmics</u>							Max NPS anode (μA)	

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I <input type="checkbox"/> _____	PS1: _____	Start time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:	
		PS2: _____			Stop time (from RC):	COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments: <u>Bryan Moffit working on OAC</u>							Max NPS anode (μA)	

Run Number: <u>1489</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I <input type="checkbox"/> _____	PS1: _____	Start time (from RC): <u>13:32</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:	
		PS2: _____			Stop time (from RC): <u>13:47</u>	COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments: <u>Cosmics (then Ben Raydo will update NPS Firmware)</u>							Max NPS anode (μA)	

p(e,e' γ) p Run Sheet

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

Date: 23 09 28
yy mm dd

Initials: CE14

Use a separate sheet for each configuration.

HMS

Configuration Name: Elastic

Purpose:
 Production
 Test
 Optics
 Other: Elastic

E_{beam}: 10.539 GeV **I_{beam}:** 30 μ A

Raster: On Off
Size: 2x2

HMS
p: +/- 4.087 **θ (TV):** 29.86
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.49</u> mm		<u>0.003</u> mm
Nomin: <u>1.5</u>		Nomin: <u>0</u>
3H07C	X	Y
<u>0.5</u> mm		<u>-0.01</u> mm
Nomin: <u>0.5</u>		Nomin: <u>0</u>

SHMS **NPS**
 θ (TV): 33.48 **θ = SHMS**
Nearest 0.005 **-16.30°** Nearest 0.005

Collimator: **HMS:** Large Sieve

Q1	I-SET (from PSU)	<u>532.46</u> A
	B-HALL	<u>-0.7145</u> T
Q2	I-SET (from PSU)	<u>423.36</u> A
	B-HALL	<u>0.90545</u> T
Q3	I-SET (from PSU)	<u>205.84</u> A
	B-HALL	<u>-0.42226</u> T
D	I READ	<u>1253.21</u> A
	B-NMR	<u>1.14350</u> T
If momentum increased:		<input type="checkbox"/> HMS cycled?

Handwritten note: I-SET NOT checked

Run Number: 1492 LH2 10cm PS1: -1
 LD2 10cm PS2: 0
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: -1

Start time (from RC): 14:00 Settings Verified?
 HV OK?
 50k OK?

Stop time (from RC): **HMS (T4) rate** **Calo (T1) rate prescale pretrig:** **COIN (T5) rate pretrig:**

Comments: COIN - COSMIC **COIN (T6) rate** **e- γ evts:** Data ok
 Junk

Max NPS anode (μ A)

Run Number: 1493 LH2 10cm PS1: -1
 LD2 10cm PS2: 1
 Dummy 10cm PS3: 0
 Optics#1 8cm PS4: 1
 C 0.5% r.l.l PS5: -1
 Carbon Hole PS6: -1

Start time (from RC): Settings Verified?
 HV OK?
 50k OK?

Stop time (from RC): **HMS (T4) rate** **Calo (T1) rate prescale pretrig:** **COIN (T5) rate pretrig:**

Comments: Carbon Hole **COIN (T6) rate** **e- γ evts:** Data ok
 Junk

Max NPS anode (μ A)

Run Number: 1494 LH2 10cm PS1: -1
 LD2 10cm PS2: 1
 Dummy 10cm PS3: 0
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: 1
 PS6: 1

Start time (from RC): 20:31 Settings Verified?
 HV OK?
 50k OK?

Stop time (from RC): 21:57 **HMS (T4) rate** 15.4 **Calo (T1) rate prescale pretrig:** 760k **COIN (T5) rate pretrig:** 29

Comments: LH2, 30 μ A Elastic (No sparsification) **COIN (T6) rate** 11.4 **e- γ evts:** Data ok
 Junk

Max NPS anode (μ A)

Run Number: 1495 LH2 10cm PS1: -1
 LD2 10cm PS2: 1
 Dummy 10cm PS3: 0
 Optics#1 8cm PS4: 1
 C 0.5% r.l.l PS5: 1
 PS6: 1

Start time (from RC): 21:59 Settings Verified?
 HV OK?
 50k OK?

Stop time (from RC): 23:14 **HMS (T4) rate** 14 **Calo (T1) rate prescale pretrig:** 733k **COIN (T5) rate pretrig:** 30

Comments: LH2, 30 μ A 5-pass elastic sparsification ON **COIN (T6) rate** 12 **e- γ evts:** Data ok
 Junk

Max NPS anode (μ A)

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

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

Date: 23/09/28
yy mm dd

Initials: ERC

Use a separate sheet for each configuration.

HMS

Configuration Name: Elaske 5-pus

Purpose:
 Production
 Test
 Optics
 Other: _____

Q1	I-SET (from PSU)	A
	B-HALL	T
Q2	I-SET (from PSU)	A
	B-HALL	T
Q3	I-SET (from PSU)	A
	B-HALL	T
D	I READ	A
	B-NMR	T

If momentum increased:
 HMS cycled?

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

Raster: On Off
Size: _____

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

Beam position and angle on target:

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

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

Collimator: **HMS: Large**
 Sieve

Run Number: <u>1496</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>1</u> PS6: <u>1</u>	Start time (from RC): <u>23:10</u> Stop time (from RC): <u>00:22</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>15</u>	Calo (T1) rate prescale pretrig: <u>750k</u>	COIN (T5) rate pretrig: <u>31</u>
					COIN (T6) rate <u>11</u>	$e\text{-}\gamma$ evts:	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: 1Hz Elaste 30 μA Sparsification on **Max NPS anode (μA):**

Run Number: <u>1497</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>00:37</u> Stop time (from RC): <u>01:04</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>14.7</u>	Calo (T1) rate prescale pretrig: <u>517k</u>	COIN (T5) rate pretrig: <u>31.1</u>
					COIN (T6) rate <u>13.2</u>	$e\text{-}\gamma$ evts:	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: sparsification on **Max NPS anode (μA):**
4.64

Run Number: <u>1498</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>01:13</u> Stop time (from RC): <u>01:36</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate <u>14</u>	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig: <u>30.4</u>
					COIN (T6) rate <u>10.5</u>	$e\text{-}\gamma$ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: SP on **Max NPS anode (μA):**
3.39

Run Number: <u>1499</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>02:46</u> Stop time (from RC):	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate <u>15.2</u>	Calo (T1) rate prescale pretrig: <u>683k</u>	COIN (T5) rate pretrig: <u>30.9</u>
					COIN (T6) rate <u>11.7</u>	$e\text{-}\gamma$ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: SP OFF **Max NPS anode (μA):**
6.31

p(e,e' γ) p Run Sheet

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

Date: ___/___/___
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
Elastic

Purpose:

- Production
 Test
 Optics
 Other: Cat

Raster: On Off
Size: 2x2

Beam position and angle on target:

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

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

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

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

Collimator: HMS: Large
Sieve

Q1	I SET (from PSU) <u>532.46</u> A
	B-HALL <u>-0.71050</u> T
Q2	I SET (from PSU) <u>423.35</u> A
	B-HALL <u>0.90328</u> T
Q3	I SET (from PSU) <u>205.85</u> A
	B-HALL <u>-0.41845</u> T
D	I READ <u>1253.01</u> A
	B NMR <u>1.10198</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: <u>1299</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>02:46</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate <u>14</u>	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig: <u>30.4</u>
Comments: <u>59 off</u>			Stop time (from RC): <u>03:33</u>		COIN (T6) rate <u>10.5</u>	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Max NPS anode (μ A)
6.31

Run Number: <u>1500</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
Comments: <u>run specification on</u>			Stop time (from RC):		COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk

Max NPS anode (μ A)

Run Number: <u>1501</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
Comments: <u>1501-1503 test runs</u>			Stop time (from RC):		COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk

Max NPS anode (μ A)

Run Number: <u>1504</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>15:29:40</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
Comments: <u>long time w/o any beam, needed to end run for test</u>			Stop time (from RC): <u>14:35:31</u>		COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Max NPS anode (μ A)

sparsification=ON

p(e,e' γ) p Run Sheet

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

Date: 2023, 09, 29
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
Elastic, 5-pass

Purpose:

- Production
 Test
 Optics
 Other: *calibration*

E_{beam}: *10.558* GeV **I_{beam}:** *30* μ A

Raster: On Off
Size: *2x2*

Q1	I-SET (from PSU)	<i>532.45</i>	A
	B-HALL	<i>-0.71340</i>	T
Q2	I-SET (from PSU)	<i>423.35</i>	A
	B-HALL	<i>0.90292</i>	T
Q3	I-SET (from PSU)	<i>205.83</i>	A
	B-HALL	<i>-0.42043</i>	T
D	I READ	<i>1252.98</i>	A
	B NMR	<i>1.14133</i>	T
If momentum increased: <input type="checkbox"/> HMS cycled?			

HMS
p: +/- *4.087* **θ (TV):** *29.86*
From GUI Nearest 0.005

Beam position and angle on target:

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

SHMS
 θ (TV): *32.28*
Nearest 0.005

NPS *15.98*
 θ = SHMS
-16.30°
Nearest 0.005

Collimator: HMS: Large Sieve Sieve

Run Number: <i>1505</i>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I	PS1: <i>-1</i> PS2: <i>-1</i> PS3: <i>0</i> PS4: <i>-1</i> PS5: <i>-1</i> PS6: <i>-1</i>	Start time (from RC): <i>16:36:59</i> Stop time (from RC): <i>17:29</i>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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sparsification = ON, beam unstable (almost no beam after running for 30 min)

Max NPS anode (μ A)

Run Number: <i>1506</i>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I	PS1: <i>-1</i> PS2: <i>-1</i> PS3: <i>0</i> PS4: <i>-1</i> PS5: <i>-1</i> PS6: <i>-1</i>	Start time (from RC): <i>17:45:35</i> Stop time (from RC): <i>17:56</i>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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sparsification = ON, beam stable after running for 15 min.

Max NPS anode (μ A)

Run Number: <i>1507</i>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I	PS1: <i>-1</i> PS2: <i>-1</i> PS3: <i>0</i> PS4: <i>-1</i> PS5: <i>-1</i> PS6: <i>-1</i>	Start time (from RC): <i>18:10:30</i> Stop time (from RC): <i>20:01</i>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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sparsification = ON

Max NPS anode (μ A)

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Max NPS anode (μ A)

p(e,e' γ) p Run Sheet

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

Date: 2023 09 12 9
yy mm dd

Initials: H.V

Use a separate sheet for each configuration.

HMS

Configuration Name:
Elastic, 5-pass

Purpose:
 Production
 Test
 Optics
 Other: calibration

E_{beam} : 10.558 GeV I_{beam} : 30 μ A

Raster: On Off
Size: 2x2

HMS
 p : +/- 4.087 $\theta(TV)$: 29.86
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.501</u>	mm	<u>0.515</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.458</u>	mm	<u>-0.028</u> mm
Nomin:		Nomin:

SHMS **NPS**
 $\theta(TV)$: 31.19 θ = SHMS 14.89
Nearest 0.005 Nearest 0.005
 θ = SHMS -16.30

Collimator: HMS: Large Sieve

Q1	I-SET (from PSU)	<u>532.45</u>	A
	B-HALL	<u>-0.71830</u>	T
Q2	I-SET (from PSU)	<u>423.36</u>	A
	B-HALL	<u>0.90407</u>	T
Q3	I-SET (from PSU)	<u>205.84</u>	A
	B-HALL	<u>-0.42048</u>	T
D	I-READ	<u>1253.01</u>	A
	B-NMR	<u>1.09106</u>	T
If momentum increased: <input type="checkbox"/> HMS cycled?			

Run Number: <u>1508</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>20:21:23</u> Stop time (from RC): <u>22:42</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Max NPS anode (μ A)

Run Number: <u>1500</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>0</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>-</u>	Start time (from RC): <u>04:02</u> Stop time (from RC): <u>05:20</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Max NPS anode (μ A)

Run Number:	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>0</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>-</u>	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Max NPS anode (μ A)

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>-</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>-</u>	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Max NPS anode (μ A)

384 μ events

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

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

Date: 23 9 130
yy mm dd

Initials: H.V

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
Elastic Spass

Purpose:

- Production
 Test
 Optics
 Other: Calibration

E_{beam} : 10.540 GeV I_{beam} : 30 μA

Raster: On Off
Size: 2x2

Beam position and angle on target:

3H07A	X	Y
<u>1.504</u>	<u>mm</u>	<u>-0.003</u>
Nomin:		Nomin:
3H07C	X	Y
<u>0.499</u>	<u>mm</u>	<u>-0.018</u>
Nomin:		Nomin:

Q1	I-SET (from PSU) B-HALL	A T
Q2	I-SET (from PSU) B-HALL	A T
Q3	I-SET (from PSU) B-HALL	A T
D	I-READ B NMR	A T

If momentum increased:
 HMS cycled?

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

SHMS 33.49 NPS θ = SHMS -16.30°
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve

Run Number: <u>1511</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>0</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>-</u>	Start time (from RC): <u>06:41</u> Stop time (from RC): <u>07:49</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: $e-\gamma$ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 360k events

Max NPS anode (μA)

Run Number: <u>1512</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>0</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>-</u>	Start time (from RC): <u>07:52</u> Stop time (from RC): <u>8:58</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>14.6</u> COIN (T6) rate <u>10.8</u>	Calo (T1) rate prescale pretrig: <u>750k</u> $e-\gamma$ evts:	COIN (T5) rate pretrig: <u>2.8</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 331,486 events

Max NPS anode (μA) 4.8

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: $e-\gamma$ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

Max NPS anode (μA)

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: $e-\gamma$ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

Max NPS anode (μA)

p(e,e' γ) p Run Sheet

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

Date: 23/09/30
yy mm dd

Initials: ERK

Use a separate sheet for each configuration.

HMS

Configuration Name:
Target Boiling Studies

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.5 GeV **I_{beam}:** _____ μ A

Raster: On Off
Size: 2x2

HMS
p: +0.6670 θ (TV): 12.50
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.505</u> mm		<u>0.003</u> mm
Nomin: <u>1.5</u>		Nomin: <u>0</u>
3H07C	X	Y
<u>1.5007</u> mm		<u>0.007</u> mm
Nomin: <u>0.5</u>		Nomin: <u>0</u>

SHMS **NPS**
 θ (TV): 36.88 **θ = SHMS** 20.58
Nearest 0.005 Nearest 0.005
-16.30°

Collimator: **HMS: Large**
Sieve

I SET (from PSU)	<u>874.41</u> A
Q1 B-HALL	<u>1.1625</u> T
I SET (from PSU)	<u>718.36</u> A
Q2 B-HALL	<u>-1.38636</u> T
I SET (from PSU)	<u>335.98</u> A
Q3 B-HALL	<u>0.67736</u> T
I-READ	<u>2331.36</u> A
D B-NMR	<u>1.8537900</u> T
If momentum increased: <input checked="" type="checkbox"/> HMS cycled?	

Run Number: <u>1513</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% rt.l <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>11:49</u> Stop time (from RC): 	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate Calo (T1) rate prescale pretrig: 	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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LH2 5 μ A PS3 on NPS HV off

Max NPS anode (μ A)

Run Number: <u>1514</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% rt.l <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>12:10</u> Stop time (from RC): <u>12:21</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate Calo (T1) rate prescale pretrig: 	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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LH2 5 μ A PS4 on NPS HV off

Max NPS anode (μ A)

Run Number: <u>1515</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% rt.l <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>2</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>12:28</u> Stop time (from RC): 	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate Calo (T1) rate prescale pretrig: 	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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LH2 10 μ A NPS HV off

Max NPS anode (μ A)

Run Number: <u>1516</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% rt.l <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>3</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>12:45</u> Stop time (from RC): <u>12:57</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate Calo (T1) rate prescale pretrig: 	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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LH2 15 μ A NPS HV off

Max NPS anode (μ A)

p(e,e') p Run Sheet

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

Date: 23/09/30
yy mm dd

Initials: ELK

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
Target Boron Studies

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.5 GeV **I_{beam}:** _____ μA

Raster: On Off
Size: _____

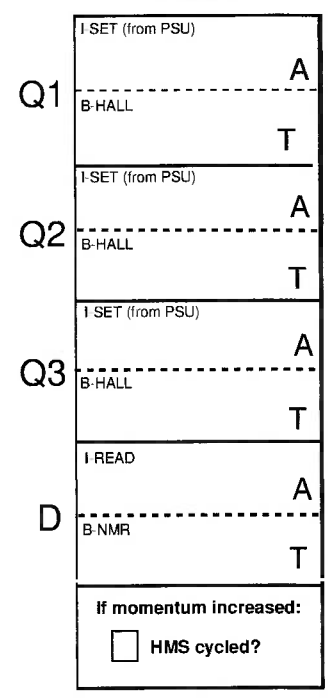
HMS
p: +/- _____ **θ(TV):** _____
From GUI Nearest 0.005

Beam position and angle on target:

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

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

Collimator: **HMS: Large**
 Sieve



Run Number: 1517
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l

Comments: LH2 25μA NPS HV off

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

Start time (from RC): 13:04 **Stop time (from RC):** 15:20

Settings Verified? HV OK? 50k OK?

HMS (T4) rate **Calo (T1) rate prescale pretrig:** **COIN (T5) rate pretrig:**

COIN (T6) rate **e-γ evts:** Data ok Junk

Max NPS anode (μA)

Run Number: 1518
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l

Comments: LH2 40μA

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

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

Settings Verified? HV OK? 50k OK?

HMS (T4) rate **Calo (T1) rate prescale pretrig:** **COIN (T5) rate pretrig:**

COIN (T6) rate **e-γ evts:** Data ok Junk

Max NPS anode (μA)

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

Comments: _____

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

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

Settings Verified? HV OK? 50k OK?

HMS (T4) rate **Calo (T1) rate prescale pretrig:** **COIN (T5) rate pretrig:**

COIN (T6) rate **e-γ evts:** Data ok Junk

Max NPS anode (μA)

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

Comments: _____

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

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

Settings Verified? HV OK? 50k OK?

HMS (T4) rate **Calo (T1) rate prescale pretrig:** **COIN (T5) rate pretrig:**

COIN (T6) rate **e-γ evts:** Data ok Junk

Max NPS anode (μA)

p(e,e'γ) p Run Sheet

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

Date: 23/09/30
yy mm dd

Initials: YZ

Use a separate sheet for each configuration.

HMS

Configuration Name:
Target Bailif Study

Purpose:

- Production
 Test
 Optics
 Other: _____

E_{beam} : 10.5 GeV I_{beam} : 40 μA
see below comments

Raster: On Off
Size: 2x2 mm

HMS
 p : +/- -6.667 $\theta(\text{TV})$: 12.48
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.5</u> mm	<u>0</u> mm	
Nomin:		Nomin:
3H07C	X	Y
<u>0.5</u> mm	<u>0</u> mm	
Nomin:		Nomin:

SHMS **NPS**
 $\theta(\text{TV})$: 36.89 $\theta = \text{SHMS}$ OFF
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve

Q1	I-SET (from PSU) <u>874.41</u> A
	B-HALL <u>1.1641</u> T
Q2	I-SET (from PSU) <u>718.36</u> A
	B-HALL <u>-1.38531</u> T
Q3	I-SET (from PSU) <u>335.98</u> A
	B-HALL <u>0.68</u> T
D	I-READ <u>2331.33</u> A
	B-NMR <u>1.85379</u> T
If momentum increased: <input checked="" type="checkbox"/> HMS cycled?	

Run Number: <u>1518</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>-</u> PS4: <u>7</u> PS5: <u>-</u> PS6: <u>-</u>	Start time (from RC): <u>19:14:34</u> Stop time (from RC): <u>19:29:50</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
Comments: <u>LD2 40 μA Events: 521840</u>					COIN (T6) rate	e- γ evts:	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
						Max NPS anode (μA)	

Run Number: <u>1519</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>-</u> PS4: <u>6</u> PS5: <u>-</u> PS6: <u>-</u>	Start time (from RC): <u>22:13:27</u> Stop time (from RC): <u>22:24:43</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
Comments: <u>LD2 25 μA Events: 486163</u>					COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
						Max NPS anode (μA)	

Run Number: <u>1520</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>-</u> PS4: <u>6</u> PS5: <u>-</u> PS6: <u>-</u>	Start time (from RC): <u>22:38:49</u> Stop time (from RC): <u>22:51:12</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
Comments: <u>LD2 18 μA Events: 290172</u>					COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
						Max NPS anode (μA)	

Run Number: <u>1521</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>5</u> PS4: <u>5</u> PS5: <u>-</u> PS6: <u>-</u>	Start time (from RC): <u>22:55:04</u> Stop time (from RC): <u>23:05:21</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
Comments: <u>LD2 10 μA Events: 328695</u>					COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
						Max NPS anode (μA)	

p(e,e'γ) p Run Sheet

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

Date: 23/09/30
yy mm dd

Initials: YZ

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Purpose:

- Production
- Test
- Optics
- Other: *Boiling*

E_{beam}: 10.5 GeV **I_{beam}:** _____ μA

Raster: On Off
Size: 2x2mm

HMS
p: +/- -6.667 **θ(TV):** 12.48
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
1.5 mm	0 mm	
Nomin:		Nomin:
3H07C	X	Y
0.5 mm	0 mm	
Nomin:		Nomin:

SHMS **NPS**
θ(TV): 36.89 **θ = SHMS** OFF
Nearest 0.005 Nearest 0.005

Collimator: **HMS:** Large Sieve

Q1	I-SET (from PSU) 874.41 A
	B-HALL 1.1641 T
Q2	I-SET (from PSU) 718.36 A
	B-HALL -1.38531 T
Q3	I-SET (from PSU) 335.98 A
	B-HALL 0.68 T
D	I-READ 2331.33 A
	B-NMR 1.85379 T
If momentum increased: <input checked="" type="checkbox"/> HMS cycled?	

Run Number: 1522	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l	PS1: - PS2: - PS3: - PS4: 4 PS5: - PS6: -	Start time (from RC): 23:09:48 Stop time (from RC): 23:20:43	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate Calo (T1) rate prescale pretrig: COIN (T5) rate pretrig: COIN (T6) rate e-γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: LD2 I_{beam} = 5 μA Events: 345385

Max NPS anode (μA)

Run Number: 1523	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l	PS1: - PS2: - PS3: 4 PS4: 4 PS5: - PS6: -	Start time (from RC): 00:28 Stop time (from RC): 00:37	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate Calo (T1) rate prescale pretrig: COIN (T5) rate pretrig: COIN (T6) rate e-γ evts:	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: I_{beam} = 35 μA PS4 = 4 (change after a few seconds) 180k events

Max NPS anode (μA)

Run Number: 1524	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l	PS1: - PS2: - PS3: 4 PS4: 4 PS5: - PS6: -	Start time (from RC): 00:39 Stop time (from RC): 00:51	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate Calo (T1) rate prescale pretrig: COIN (T5) rate pretrig: COIN (T6) rate e-γ evts:	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: I = 35 μA 156,991 events

Max NPS anode (μA)

Run Number: 1525	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l	PS1: - PS2: - PS3: 4 PS4: 4 PS5: - PS6: -	Start time (from RC): 00:59 Stop time (from RC): 01:11	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate Calo (T1) rate prescale pretrig: COIN (T5) rate pretrig: COIN (T6) rate e-γ evts:	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: I = 40 μA 187k events

Max NPS anode (μA)

p(e,e'γ) p Run Sheet

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

Date: 23/01/10
yy mm dd

Initials: H.V

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Purpose:

- Production
- Test
- Optics
- Other: Boiling

Raster: On Off
 Size: 2x2

Beam position and angle on target:

3H07A	X	Y
<u>1.495</u> mm		<u>-0.003</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.501</u> mm		<u>-0.001</u> mm
Nomin:		Nomin:

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

E_{beam}: 10.54 GeV I_{beam}: _____ μA

HMS
 p: +/- 6.66 θ(TV): 12.48
From GUI Nearest 0.005

SHMS **NPS**
 θ(TV): 36.89 θ = SHMS
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve

Run Number: <u>1526</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l.I	PS1: <u>—</u> PS2: <u>—</u> PS3: <u>—</u> PS4: <u>3</u> PS5: <u>—</u> PS6: <u>—</u>	Start time (from RC): <u>1:13</u> Stop time (from RC): <u>1:30</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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I = 25 μA 144 μ events Max NPS anode (μA)
Run 1527 Junk

Run Number: <u>1528</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l.I	PS1: <u>—</u> PS2: <u>—</u> PS3: <u>—</u> PS4: <u>2</u> PS5: <u>—</u> PS6: <u>—</u>	Start time (from RC): <u>1:37</u> Stop time (from RC): <u>1:51</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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I = 15 μA Max NPS anode (μA)
Run 1529 Junk

Run Number: <u>1530</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l.I	PS1: <u>—</u> PS2: <u>—</u> PS3: <u>—</u> PS4: <u>0</u> PS5: <u>—</u> PS6: <u>—</u>	Start time (from RC): <u>02:02</u> Stop time (from RC): <u>02:15</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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I = 5 μA 191 μ events Max NPS anode (μA)

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Max NPS anode (μA)

p(e,e' γ) p Run Sheet

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

Date: / /
yy mm dd

Initials:

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Purpose:
 Production
 Test
 Optics
 Other: _____

Q1	I-SET (from PSU)	A
	B-HALL	T
Q2	I-SET (from PSU)	A
	B-HALL	T
Q3	I-SET (from PSU)	A
	B-HALL	T
D	I-READ	A
	B-NMR	T

If momentum increased:
 HMS cycled?

E_{beam} : 10.54 GeV I_{beam} : 30 μA

Raster: On Off
 Size: 2x2

HMS
 p : +/- 6.66 $\theta(\text{TV})$: 19.14
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>~1.5</u>	mm	<u>~0.</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>~0.5</u>	mm	<u>~0</u> mm
Nomin:		Nomin:

SHMS **NPS**
 $\theta(\text{TV})$: 36.89 $\theta = \text{SHMS}$
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve

Run Number: <u>1532</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l. <input type="checkbox"/> _____	PS1: <u>—</u> PS2: <u>—</u> PS3: <u>—</u> PS4: <u>0</u> PS5: <u>—</u> PS6: <u>—</u>	Start time (from RC): <u>2:54</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
			Stop time (from RC):		COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk

Comments: 1531-1532 Junk Coda problem Max NPS anode (μA)

Run Number: <u>1534</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l. <input type="checkbox"/> _____	PS1: <u>—</u> PS2: <u>—</u> PS3: <u>—</u> PS4: <u>0</u> PS5: <u>—</u> PS6: <u>—</u>	Start time (from RC): <u>3:13</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
			Stop time (from RC): <u>3:46</u>		COIN (T6) rate	e- γ evts:	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: HMS θ = 19.14° 311k events Max NPS anode (μA) *full*

Run Number: <u>1535</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l. <input type="checkbox"/> _____	PS1: <u>—</u> PS2: <u>—</u> PS3: <u>—</u> PS4: <u>0</u> PS5: <u>—</u> PS6: <u>—</u>	Start time (from RC): <u>3:56</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
			Stop time (from RC): <u>4:30</u>		COIN (T6) rate	e- γ evts:	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: HMS θ = 17.99° 543k events Max NPS anode (μA) *full*

Run Number: <u>1536</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l. <input type="checkbox"/> _____	PS1: <u>—</u> PS2: <u>—</u> PS3: <u>—</u> PS4: <u>0</u> PS5: <u>—</u> PS6: <u>—</u>	Start time (from RC): <u>4:37</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
			Stop time (from RC): <u>5:08</u>		COIN (T6) rate	e- γ evts:	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: HMS θ = 16.84° 669k events Max NPS anode (μA) *full*

p(e,e'γ) p Run Sheet

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

Date: 23/10/01
yy mm dd

Initials: H.V.

Use a separate sheet for each configuration.

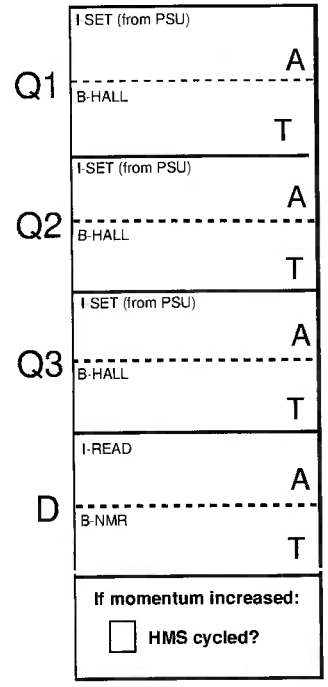
HMS

Configuration Name: _____

Purpose:
 Production
 Test
 Optics
 Other: _____

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

Raster: On Off
Size: 2x2



HMS
p: +/- 6.66 **θ(TV):** 12.47
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>~1.5</u> mm		<u>~0.</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>~0.5</u> mm		<u>~0.</u> mm
Nomin:		Nomin:

SHMS
θ(TV): 36.89
Nearest 0.005

NPS
θ = SHMS
-16.30° Nearest 0.005

Collimator: **HMS:** Large Sieve

1537 Junk

Run Number: 1538
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l.
Comments: _____

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

Start time (from RC): 6:04 **Stop time (from RC):** 6:40

Settings Verified? HV OK? 50k OK?

HMS (T4) rate: _____ **Calo (T1) rate prescale pretrig:** _____ **COIN (T5) rate pretrig:** _____

COIN (T6) rate: _____ **e-γ evts:** _____ Data ok Junk

Max NPS anode (μA): _____

378 K events

Run Number: 1539
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l.
Comments: _____

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

Start time (from RC): 6:52 **Stop time (from RC):** 7:55

Settings Verified? HV OK? 50k OK?

HMS (T4) rate: _____ **Calo (T1) rate prescale pretrig:** _____ **COIN (T5) rate pretrig:** _____

COIN (T6) rate: _____ **e-γ evts:** _____ Data ok Junk

Max NPS anode (μA): _____

581. K events

Run Number: 1540
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l.
Comments: _____

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

Start time (from RC): 8:42 **Stop time (from RC):** 9:44

Settings Verified? HV OK? 50k OK?

HMS (T4) rate: 182 **Calo (T1) rate prescale pretrig:** 100 **COIN (T5) rate pretrig:** 100

COIN (T6) rate: 100 **e-γ evts:** 550 Data ok Junk

Max NPS anode (μA): _____

Run Number: 1541
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l.
Comments: _____

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?

HMS (T4) rate: _____ **Calo (T1) rate prescale pretrig:** _____ **COIN (T5) rate pretrig:** _____

COIN (T6) rate: _____ **e-γ evts:** _____ Data ok Junk

Max NPS anode (μA): _____

Junk (configuration changed)

Date: 23/10/01
yy mm dd

Initials: DA

HMS

p(e,e' γ) p Run Sheet

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

Use a separate sheet for each configuration.

Configuration Name:
HMS DIS optics

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.52 GeV **I_{beam}:** 30 μ A

Raster: On Off
Size: 2x2 mm²

HMS
p: +/- 6.6670 θ (TV): 12.47
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
-1.5 mm		-0.003 mm
Nomin:		Nomin:
3H07C	X	Y
0.5 mm		-0.002 mm
Nomin:		Nomin:

SHMS
 θ (TV): 36.59
Nearest 0.005

NPS
 $\theta =$ SHMS 20.50
-16.30°
Nearest 0.005

Collimator: **HMS:** Large Sieve

Q1	I-SET (from PSU)	774.41 A
	B-HALL	1.16310 T
Q2	I-SET (from PSU)	718.36 A
	B-HALL	-1.38443 T
Q3	I-SET (from PSU)	335.96 A
	B-HALL	0.68003 T
D	I-READ	233.33 A
	B-NMR	1.85379 T
If momentum increased: <input type="checkbox"/> HMS cycled?		

Run Number: 1542	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1	Start time (from RC): 9:52 Stop time (from RC): 9:53	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale	COIN (T5) rate pretrig:
					COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk

Comments: Junk (no beam)

Max NPS anode (μ A)

Run Number: 1543	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1	Start time (from RC): 9:57 Stop time (from RC): 10:16	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale	COIN (T5) rate pretrig:
					COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: very short with ~ 3min of beam

Max NPS anode (μ A)

Run Number: 1544	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: -1 PS2: -1 PS3: -1 PS4: 0 PS5: -1 PS6: -1	Start time (from RC): 10:22 Stop time (from RC):	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale	COIN (T5) rate pretrig:
					COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments:

Max NPS anode (μ A)

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale	COIN (T5) rate pretrig:
					COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments:

Max NPS anode (μ A)

p(e,e' γ) p Run Sheet

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

Date: 23/10/01 Initials: DA
 yy mm dd

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
HMS Elastic

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV **I_{beam}:** 30 μ A

Raster: On Off
Size: 2x2 mm²

HMS
p: +/- -6.6670 θ (TV): 16.84
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.5</u> mm		<u>0.008</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.5</u> mm		<u>0.509</u> mm
Nomin:		Nomin:

SHMS
 θ (TV): 36.81
Nearest 0.005

NPS
 θ = SHMS 20.59
-16.30°
Nearest 0.005

Collimator: HMS: Large Sieve Sieve

Q1	I-SET (from PSU)	<u>874.41</u> A
	B HALL	
Q2	I-SET (from PSU)	<u>1.16360</u> T
	B HALL	
Q3	I-SET (from PSU)	<u>718.36</u> A
	B HALL	
D	I-SET (from PSU)	<u>-1.38643</u> T
	B HALL	
D	I READ	<u>335.98</u> A
	B NMR	
D	I READ	<u>0.67991</u> T
	B NMR	
D	I READ	<u>2331.36</u> A
	B NMR	
D	I READ	<u>1.85379</u> T
	B NMR	
If momentum increased: <input type="checkbox"/> HMS cycled?		

Run Number: 1545
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.l

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

Start time (from RC): 11:58 Stop time (from RC): _____

Settings Verified? HV OK? 50k OK?

HMS (T4) rate: 157 Calo (T1) rate prescale: 100 COIN (T5) rate pretrig: 100

COIN (T6) rate: 100 e- γ evts: 995 Data ok Junk

Comments: _____

Max NPS anode (μ A): _____

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

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

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

Settings Verified? HV OK? 50k OK?

HMS (T4) rate: _____ Calo (T1) rate prescale: _____ COIN (T5) rate pretrig: _____

COIN (T6) rate: _____ e- γ evts: _____ Data ok Junk

Comments: _____

Max NPS anode (μ A): _____

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

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

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

Settings Verified? HV OK? 50k OK?

HMS (T4) rate: _____ Calo (T1) rate prescale: _____ COIN (T5) rate pretrig: _____

COIN (T6) rate: _____ e- γ evts: _____ Data ok Junk

Comments: _____

Max NPS anode (μ A): _____

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

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

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

Settings Verified? HV OK? 50k OK?

HMS (T4) rate: _____ Calo (T1) rate prescale: _____ COIN (T5) rate pretrig: _____

COIN (T6) rate: _____ e- γ evts: _____ Data ok Junk

Comments: _____

Max NPS anode (μ A): _____

p(e,e' γ) p Run Sheet

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

Date: 23/10/01
yy mm dd

Initials: DA

Use a separate sheet for each configuration.

HMS

Configuration Name: HMS Elastic

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV **I_{beam}:** 30 μ A

Raster: On Off
Size: 2x2 mm

HMS
p: +/- -6.670 **θ (TV):** 18
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.5</u> mm		<u>0.01</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.5</u> mm		<u>0.01</u> mm
Nomin:		Nomin:

SHMS
 θ (TV): 36.80
Nearest 0.005

NPS
 θ = SHMS 20.59
-16.30° Nearest 0.005

Collimator: **HMS: Large Sieve**

I-SET (from PSU)		
Q1	<u>874.41</u> A	
B-HALL	<u>1.16360</u> T	
I-SET (from PSU)		
Q2	<u>718.36</u> A	
B-HALL	<u>-1.38643</u> T	
I-SET (from PSU)		
Q3	<u>335.98</u> A	
B-HALL	<u>0.67991</u> T	
I-READ		
D	<u>2331.36</u> A	
B-NMR	<u>1.85379</u> T	
	<u>2331.36</u> T	
If momentum increased: <input type="checkbox"/> HMS cycled?		

Run Number: <u>1546</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>12:38</u> Stop time (from RC): <u>13:20</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>295</u> COIN (T6) rate <u>100</u>	Calo (T1) rate prescale pretrig: <u>100</u> e-γ evts: <u>700</u>	COIN (T5) rate pretrig: <u>100</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (μA)

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC): 	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate 	Calo (T1) rate prescale pretrig: e-γ evts: 	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (μA)

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC): 	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate 	Calo (T1) rate prescale pretrig: e-γ evts: 	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (μA)

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC): 	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate 	Calo (T1) rate prescale pretrig: e-γ evts: 	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (μA)

p(e,e') p Run Sheet

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

Date: 23 10 01
yy mm dd

Initials: DA

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
HMS Elastic

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV **I_{beam}:** 30 μ A

Raster: On Off
Size: 2x2 mm²

HMS
p: +/- -66670 θ (TV): 19.15
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.5</u> mm		<u>0.003</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.5</u> mm		<u>0.003</u> mm
Nomin:		Nomin:

SHMS
 θ (TV): 36.89
Nearest 0.005

NPS
 θ = SHMS 20.54
-16.30° Nearest 0.005

Collimator: **HMS: Large Sieve**

Q1	I-SET (from PSU)	<u>874.41</u> A
	B-HALL	<u>118360</u> T
Q2	I-SET (from PSU)	<u>718.36</u> A
	B-HALL	<u>-1.38643</u> T
Q3	I-SET (from PSU)	<u>335.98</u> A
	B-HALL	<u>0.67991</u> T
D	I-READ	<u>2331.36</u> A
	B-NMR	<u>1.85379</u> T

If momentum increased:
 HMS cycled?

Run Number: <u>1347</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: <u>-1</u>	Start time (from RC): <u>13:25</u> Stop time (from RC): <u>13:47</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>170</u>	Calo (T1) rate prescale pretrig: <u>100</u>	COIN (T5) rate pretrig: <u>100</u>	
		PS2: <u>-1</u>		COIN (T6) rate <u>0</u>	e- γ evts: <u>171</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk		
Comments:							Max NPS anode (μA)	

Run Number: <u>1548</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: <u>-1</u>	Start time (from RC): <u>14:00</u> Stop time (from RC): <u>14:45</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>173</u>	Calo (T1) rate prescale pretrig: <u>100</u>	COIN (T5) rate pretrig: <u>100</u>	
		PS2: <u>-1</u>		COIN (T6) rate <u>0</u>	e- γ evts: <u>366k</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk		
Comments:							Max NPS anode (μA)	

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: _____	Start time (from RC): Stop time (from RC): 	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:	
		PS2: _____		COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk		
Comments:							Max NPS anode (μA)	

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: _____	Start time (from RC): Stop time (from RC): 	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:	
		PS2: _____		COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk		
Comments:							Max NPS anode (μA)	

p(e,e') p Run Sheet

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

Date: 23 10 01
yy mm dd

Initials: ERK

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
NPS Elastic
5 - Pass Elastic

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.540 GeV **I_{beam}:** 30 μA

Raster: On Off
Size: 2x2

Q1	I-SET (from PSU) <u>532.45</u> A
	B-HALL <u>-0.7196</u> T
Q2	I-SET (from PSU) <u>423.36</u> A
	B-HALL <u>0.906</u> T
Q3	I-SET (from PSU) <u>205.84</u> A
	B-HALL <u>-0.418</u> T
D	I-READ <u>1257.98</u> A
	B-NMR <u>"1.12055"</u> T
	If momentum increased: <input checked="" type="checkbox"/> HMS cycled?

HMS
p: 4.082 From GUI **θ(TV):** 29.82 Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.47</u> mm		<u>0.008</u> mm
Nomin: <u>1.5</u>		Nomin: <u>0</u>
3H07C	X	Y
<u>248</u> mm		<u>-0.009</u> mm
Nomin: <u>255</u>		Nomin: <u>0</u>

SHMS **NPS**
θ(TV): 32.275 Nearest 0.005 **θ = SHMS** -16.30° Nearest 0.005

Collimator: **HMS:** Large Sieve

Run Number: <u>1549</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-1</u> PS2: <u>-7</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-7</u> PS6: <u>-7</u>	Start time (from RC): <u>17:06</u> Stop time (from RC): <u>18:13</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>15</u> COIN (T6) rate <u>0</u>	Calo (T1) rate prescale <u>1M</u> e-γ evts:	COIN (T5) rate pretrig: <u>34</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 5-Pass Elastic SPARSE OFF 343k **Max NPS anode (μA)** 6.28

Run Number: <u>1550</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-1</u> PS2: <u>7</u> PS3: <u>0</u> PS4: <u>7</u> PS5: <u>7</u> PS6: <u>7</u>	Start time (from RC): <u>18:14</u> Stop time (from RC): <u>19:39</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>15</u> COIN (T6) rate <u>0</u>	Calo (T1) rate prescale <u>1M</u> e-γ evts:	COIN (T5) rate pretrig: <u>32</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 5 Pass Elastic - SPARSE OFF 352k **Max NPS anode (μA)** 6.18

Run Number: <u>1551</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-7</u> PS5: <u>-7</u> PS6: <u>-7</u>	Start time (from RC): <u>19:48</u> Stop time (from RC): <u>20:56</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>14</u> COIN (T6) rate <u>0</u>	Calo (T1) rate prescale <u>1.2M</u> e-γ evts:	COIN (T5) rate pretrig: <u>36</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 5 Pass Elastic - SPARSE OFF (θ_{SHMS} = 31.185°) 338k **Max NPS anode (μA)** 8.25

Run Number: <u>1552</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-1</u> PS2: <u>-7</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-7</u> PS6: <u>-7</u>	Start time (from RC): <u>20:58</u> Stop time (from RC): <u>22:14</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>14</u> COIN (T6) rate <u>0</u>	Calo (T1) rate prescale <u>1.2M</u> e-γ evts:	COIN (T5) rate pretrig: <u>35</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 5-Pass Elastic - SPARSE OFF, θ_{SHMS} = 31.185° 343k **Max NPS anode (μA)** 8.1

p(e,e'γ) p Run Sheet

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

Date: 23/10/01
yy mm dd

Initials: ELK

Use a separate sheet for each configuration.

HMS

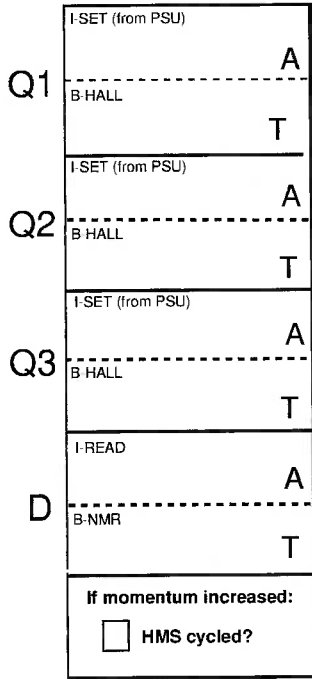
Configuration Name:
5 pass elastic

Purpose:

- Production
 Test
 Optics
 Other: elastic

E_{beam}: 10.5 GeV **I_{beam}:** 30 μA

Raster: On Off
Size: 2x2



HMS
p: 4.088 From GUI **θ(TV):** 29.87 Nearest 0.005

Beam position and angle on target:

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

SHMS **NPS**
θ(TV): 33.480 Nearest 0.005 **θ = SHMS**
-16.30° Nearest 0.005

Collimator: **HMS:** Large Sieve

Run Number: <u>1553</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>1</u> PS6: <u>-1</u>	Start time (from RC): <u>22.21</u> Stop time (from RC): <u>23.27</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>17</u> COIN (T6) rate <u>0</u>	Calo (T1) rate prescale <u>744k</u> e-γ evts:	COIN (T5) rate pretrig: <u>31</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 5 pass elastic, SPARSE OFF, θ_{SHMS} = 33.48 345k **Max NPS anode (μA)** 4.6

Run Number: <u>1554</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>1</u> PS6: <u>-1</u>	Start time (from RC): <u>23.31</u> Stop time (from RC): <u>00:49</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>14</u> COIN (T6) rate <u>0</u>	Calo (T1) rate prescale <u>776k</u> e-γ evts:	COIN (T5) rate pretrig: <u>30</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 5 pass elastic, SPARSE (ON), θ_{SHMS} = 33.48 / 345k events **Max NPS anode (μA)** 4.5

Run Number: <u>1555</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>0</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>-</u>	Start time (from RC): <u>00:50</u> Stop time (from RC): <u>02:02</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>14</u> COIN (T6) rate <u>0</u>	Calo (T1) rate prescale <u>750k</u> e-γ evts:	COIN (T5) rate pretrig: <u>27</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 5 pass elastic, sparse sic - ON, θ_{SHMS} = 33.48° / 346k **Max NPS anode (μA)** 4.7

Run Number: <u>1556</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>0</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>-</u>	Start time (from RC): <u>2:05</u> Stop time (from RC): <u>3:15</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>13</u> COIN (T6) rate <u>0</u>	Calo (T1) rate prescale <u>730k</u> e-γ evts:	COIN (T5) rate pretrig: <u>30</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 5 pass elastic, sparse sic - OFF, θ_{SHMS} = 33.48° / 349k **Max NPS anode (μA)** 4.5

p(e,e'γ) p Run Sheet

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

Date: 23/10/02
yy mm dd

Initials: HV

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
5pass Elastic

Purpose:
 Production
 Test
 Optics
 Other: Elastic

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

Raster: On Off
Size: 2x2

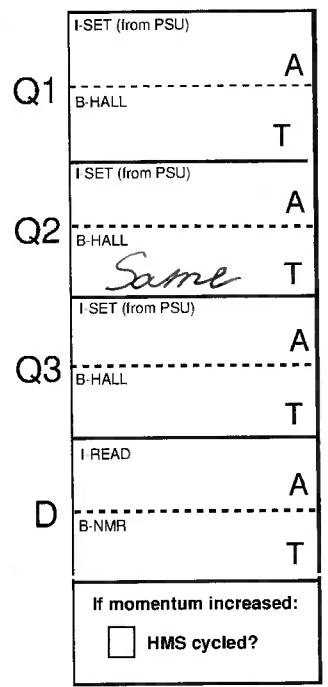
HMS
p: +/- 4.087 θ(TV): 33.48
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>~1.5</u> mm		<u>~0</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>~0.5</u> mm		<u>0</u> mm
Nomin:		Nomin:

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

Collimator: **HMS:** Large Sieve



Run Number: <u>1557</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>0</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>-</u>	Start time (from RC): <u>3:28</u> Stop time (from RC): <u>4:34</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate <u>15</u> COIN (T6) rate <u>11</u>	Calo (T1) rate prescale <u>919K</u> pretrig: _____ e-γ evts:	COIN (T5) rate pretrig: <u>33</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 5pass Elastic, sparse = OFF, θ_{SHMS} = 32.28°/350K

Max NPS anode (μA) 5.1

Run Number: <u>1558</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>0</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>-</u>	Start time (from RC): <u>4:36</u> Stop time (from RC): <u>5:49</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>15</u> COIN (T6) rate <u>11</u>	Calo (T1) rate prescale <u>890K</u> pretrig: _____ e-γ evts:	COIN (T5) rate pretrig: <u>33</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 5pass Elastic, (sparse = ON) θ_{SHMS} = 32.28°/345K

Max NPS anode (μA) 5.8

Run Number: <u>1559</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>0</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>-</u>	Start time (from RC): <u>5:55</u> Stop time (from RC): <u>7:02</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>14</u> COIN (T6) rate <u>11</u>	Calo (T1) rate prescale <u>1130K</u> pretrig: _____ e-γ evts:	COIN (T5) rate pretrig: <u>37</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 5pass Elastic, sparse = ON, θ_{SHMS} = 31.19°/344K

Max NPS anode (μA) 7.98

Run Number: <u>1560</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>0</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>-</u>	Start time (from RC): <u>7:03</u> Stop time (from RC): <u>8:10</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>15</u> COIN (T6) rate <u>13</u>	Calo (T1) rate prescale <u>1128K</u> pretrig: _____ e-γ evts: <u>7.90</u>	COIN (T5) rate pretrig: <u>33</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 5pass Elastic, sparse = OFF, θ_{SHMS} = 31.19°

Max NPS anode (μA) _____

p(e,e'γ) p Run Sheet

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

Date: ___/___/___
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Purpose:

- Production
 Test
 Optics
 Other: _____

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

Raster: On Off
Size: _____

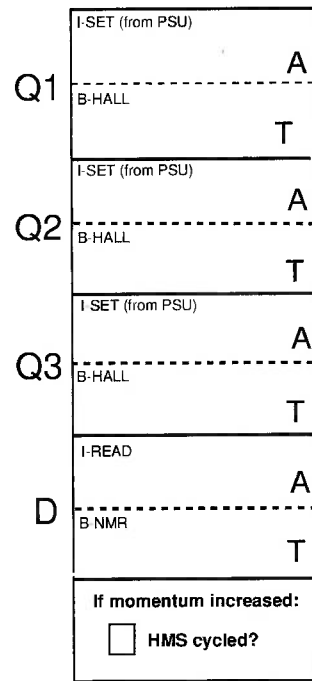
HMS
p: +/- _____ **θ(TV):** _____
From GUI Nearest 0.005

Beam position and angle on target:

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

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

Collimator: **HMS:** Large
 Sieve



Run Number: 1561	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): 12:23 Stop time (from RC): 12:26	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Junk

Max NPS anode (μA)

Run Number: 1562	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Junk

Max NPS anode (μA)

Run Number: 1563	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l	PS1: - PS2: 0 PS3: - PS4: - PS5: - PS6: -	Start time (from RC): 12:38 Stop time (from RC): 14:05	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Cosmics

Max NPS anode (μA)

Run Number: 1564	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l	PS1: - PS2: 0 PS3: - PS4: - PS5: - PS6: -	Start time (from RC): 14:16 Stop time (from RC): 14:51	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: LED DAC = 47 412K

Max NPS anode (μA)

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

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

Date: / / Initials:
 yy mm dd

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam} : 10.5 GeV I_{beam} : 29.17 μA

Raster: On Off
 Size: _____

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

Beam position and angle on target:

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

SHMS **NPS**
 $\theta(\text{TV})$: 29.86 $\theta = \text{SHMS}$
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve

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

Run Number: <u>1565</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>1</u> PS2: <u>0</u> PS3: <u>-</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>-</u>	Start time (from RC): <u>14:53</u> Stop time (from RC): <u>15:27</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate <u>14.2</u> COIN (T6) rate <u>10.7</u>	Calo (T1) rate prescale pretrig: <u>146K</u> e- γ evts:	COIN (T5) rate pretrig: <u>28.2</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
----------------------------	--	--	---	---	---	--	--

Comments: LED DAC = 49 418K Max NPS anode (μA) 1

Run Number: <u>1566</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): <u>21:38</u> Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Junk Max NPS anode (μA)

Run Number: <u>1567</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Junk Max NPS anode (μA)

Run Number: <u>1568</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>22:22</u> Stop time (from RC): <u>22:28</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Junk Max NPS anode (μA)

p(e,e' γ) p Run Sheet

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

Date: 23/10/02
yy mm dd

Initials: BD

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Purpose:
 Production
 Test
 Optics
 Other: elastic

E_{beam} : 10.5 GeV I_{beam} : 29.17 μA

Raster: On Off
 Size: 2x2

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

HMS
 p : +/- A: 0870 $\theta(TV)$: 29.85
From GUI Nearest 0.005

SHMS 32.28 **NPS**
 $\theta(TV)$: 29.86 $\theta =$ **SHMS**
Nearest 0.005 -16.30^o Nearest 0.005

Collimator: HMS: Large Sieve

Beam position and angle on target:

3H07A	X	Y
<u>1.49</u>	mm	<u>0.006</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.485</u>	mm	<u>0.001</u> mm
Nomin:		Nomin:

Run Number: <u>1569</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>22:29</u> Stop time (from RC): <u>23:36</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>14.2</u> COIN (T6) rate <u>10.7</u>	Calo (T1) rate prescale pretrig: <u>146K</u> e- γ evts:	COIN (T5) rate pretrig: <u>28.2</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Good run sparse = off $\theta_{SHMS} = 32.28$ 332K

Max NPS anode (μA): 17.62

Run Number: <u>1570</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>23:39</u> Stop time (from RC): <u>00:41</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>13.2</u> COIN (T6) rate <u>10.7</u>	Calo (T1) rate prescale pretrig: <u>147K</u> e- γ evts: <u>330K</u>	COIN (T5) rate pretrig: <u>32.5</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: sparse = on

Max NPS anode (μA): 17.78

Run Number: <u>1571</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>02:28</u> Stop time (from RC): <u>03:51</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>15.8</u> COIN (T6) rate <u>11.1</u>	Calo (T1) rate prescale pretrig: <u>138K</u> e- γ evts: <u>337K</u>	COIN (T5) rate pretrig: <u>36.9</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Sweeper mag. on, sparse = on

Max NPS anode (μA): 6.24

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate _____ COIN (T6) rate _____	Calo (T1) rate prescale pretrig: _____ e- γ evts:	COIN (T5) rate pretrig: _____ <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

Max NPS anode (μA): _____

p(e,e' γ) p Run Sheet

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

Date: 23, 09, 15
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Purpose:

- Production
- Test
- Optics
- Other: Commis.

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

E_{beam} : 70.38 GeV I_{beam} : 5 μ A

Raster: On Off
Size: 3x3

HMS
 p : +0.4637 α (TV): 16.44
From GUI Nearest 0.005

Beam position and angle on target:

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

SHMS **NPS**
 α (TV): 36.28 θ = SHMS -16.30
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve SHMS: Large Sieve

Run Number: <u>1122</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> <u>Carbon Hole</u>	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale k pretrig:	Calo (T1) rate prescale k pretrig:	COIN (T5) pretrig: k
			Stop time (from RC):		COIN (T6) rate k	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: _____

Carbon Hole Centering 3x3

Max NPS anode (mA)

Run Number: <u>1123</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale k pretrig:	Calo (T1) rate prescale k pretrig:	COIN (T5) pretrig: k
			Stop time (from RC):		COIN (T6) rate k	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: _____

Max NPS anode (mA)

Run Number: <u>1124</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale k pretrig:	Calo (T1) rate prescale k pretrig:	COIN (T5) pretrig: k
			Stop time (from RC):		COIN (T6) rate k	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: _____

2x2 raster

Max NPS anode (mA)

Run Number: <u>✓</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale k pretrig:	Calo (T1) rate prescale k pretrig:	COIN (T5) pretrig: k
			Stop time (from RC):		COIN (T6) rate k	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: _____

Max NPS anode (mA)

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

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

Date: ___/___/___
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

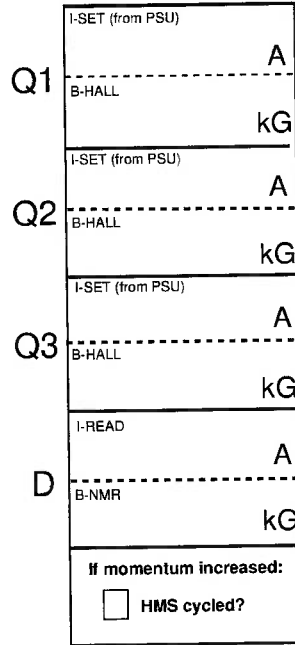
Configuration Name: _____

Purpose:

- Production
 Test
 Optics
 Other: _____

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

Raster: On Off
Size: _____



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

Beam position and angle on target:

3H07A	X	Y
≈ 0	mm	≈ 0
Nomin:		Nomin:
3H07C	X	Y
≈ 0.5	mm	≈ 0.07
Nomin:		Nomin:

SHMS **NPS**
 $\theta(\text{TV})$: _____ $\theta = \text{SHMS}$
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve SHMS: Large Sieve

Run Number: 1125	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): 18:16 Stop time (from RC): 18:17	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale _____ k pretrig: _____ k COIN (T6) rate _____ k	Calo (T1) rate prescale _____ k pretrig: _____ k $e-\gamma$ evts: _____	COIN (T5) pretrig: _____ k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 4x4 raster. Moved 3H07C position to -0.5

Max NPS anode (mA)

Run Number: 1126	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale _____ k pretrig: _____ k COIN (T6) rate _____ k	Calo (T1) rate prescale _____ k pretrig: _____ k $e-\gamma$ evts: _____	COIN (T5) pretrig: _____ k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Junk. Checking DAQ/replay script

Max NPS anode (mA)

Run Number: 1127	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale _____ k pretrig: _____ k COIN (T6) rate _____ k	Calo (T1) rate prescale _____ k pretrig: _____ k $e-\gamma$ evts: _____	COIN (T5) pretrig: _____ k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
----------------------------	---	--	---	--	---	--	---

Comments: Junk. Checking DAQ/replay script

Max NPS anode (mA)

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale _____ k pretrig: _____ k COIN (T6) rate _____ k	Calo (T1) rate prescale _____ k pretrig: _____ k $e-\gamma$ evts: _____	COIN (T5) pretrig: _____ k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

Max NPS anode (mA)

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

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

Date: / /
 yy mm dd

Initials:

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

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

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

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

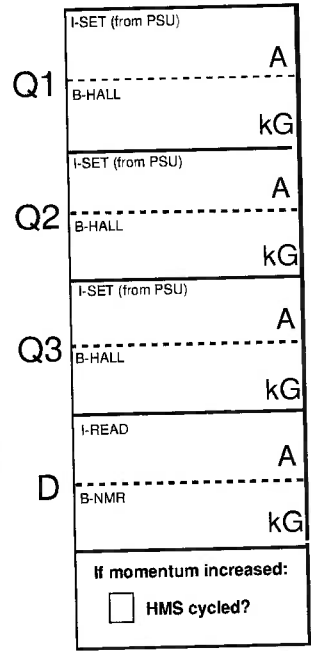
Collimator: **HMS:** Large Sieve **SHMS:** Large Sieve

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
Size: _____

Beam position and angle on target:

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



Run Number: 1128

LH2 10cm PS1: _____ **Start time (from RC):** _____ Settings Verified? **HMS (T4) rate** _____ k **Calo (T1) rate** _____ k **COIN (T5)** _____ k
 LD2 10cm PS2: _____ **Stop time (from RC):** _____ HV OK? **prescale** _____ k **prescale** _____ k **pretrig:** _____ k
 Dummy 10cm PS3: _____ 50k OK? **COIN (T6)** _____ k **e- γ evts:** _____ Data ok
 Optics#1 8cm PS4: _____ **Comments:** Junk Junk
 C 0.5% r.l.l PS5: _____ **Max NPS anode (mA)** _____
 _____ PS6: _____

Run Number: 1129

LH2 10cm PS1: _____ **Start time (from RC):** _____ Settings Verified? **HMS (T4) rate** _____ k **Calo (T1) rate** _____ k **COIN (T5)** _____ k
 LD2 10cm PS2: _____ **Stop time (from RC):** _____ HV OK? **prescale** _____ k **prescale** _____ k **pretrig:** _____ k
 Dummy 10cm PS3: _____ 50k OK? **COIN (T6)** _____ k **e- γ evts:** _____ Data ok
 Optics#1 8cm PS4: _____ **Comments:** Junk Junk
 C 0.5% r.l.l PS5: _____ **Max NPS anode (mA)** _____
 _____ PS6: _____

Run Number: 1130

LH2 10cm PS1: _____ **Start time (from RC):** _____ Settings Verified? **HMS (T4) rate** _____ k **Calo (T1) rate** _____ k **COIN (T5)** _____ k
 LD2 10cm PS2: _____ **Stop time (from RC):** _____ HV OK? **prescale** _____ k **prescale** _____ k **pretrig:** _____ k
 Dummy 10cm PS3: _____ 50k OK? **COIN (T6)** _____ k **e- γ evts:** _____ Data ok
 Optics#1 8cm PS4: _____ **Comments:** Junk Junk
 C 0.5% r.l.l PS5: _____ **Max NPS anode (mA)** _____
 _____ PS6: _____

Run Number: _____

LH2 10cm PS1: _____ **Start time (from RC):** _____ Settings Verified? **HMS (T4) rate** _____ k **Calo (T1) rate** _____ k **COIN (T5)** _____ k
 LD2 10cm PS2: _____ **Stop time (from RC):** _____ HV OK? **prescale** _____ k **prescale** _____ k **pretrig:** _____ k
 Dummy 10cm PS3: _____ 50k OK? **COIN (T6)** _____ k **e- γ evts:** _____ Data ok
 Optics#1 8cm PS4: _____ **Comments:** _____ Junk
 C 0.5% r.l.l PS5: _____ **Max NPS anode (mA)** _____
 _____ PS6: _____

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

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

Date: ___/___/___
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam} : 10.539 GeV I_{beam} : 5 μA

Raster: On Off
 Size: 4x7

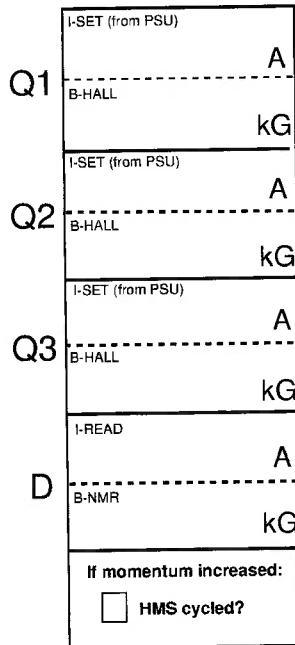
HMS
 p : +04.637 $\theta(\text{TV})$: 16.44
From GUI Nearest 0.005

Beam position and angle on target:

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

SHMS **NPS**
 $\theta(\text{TV})$: 36.28 $\theta = \text{SHMS}$
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve SHMS: Large Sieve



Run Number: <u>1131</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale k pretrig: _____	Calo (T1) rate prescale k pretrig: _____	COIN (T5) pretrig: _____ k
Comments: <u>Carbon Hole</u>					COIN (T6) rate k	$e\text{-}\gamma$ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
							Max NPS anode (mA)

Run Number: <u>1132</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale k pretrig: _____	Calo (T1) rate prescale k pretrig: _____	COIN (T5) pretrig: _____ k
Comments: <u>Carbon Hole - Looks good</u>					COIN (T6) rate k	$e\text{-}\gamma$ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
							Max NPS anode (mA)

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale k pretrig: _____	Calo (T1) rate prescale k pretrig: _____	COIN (T5) pretrig: _____ k
Comments:					COIN (T6) rate k	$e\text{-}\gamma$ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
							Max NPS anode (mA)

Run Number: <u>1133</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale k pretrig: _____	Calo (T1) rate prescale k pretrig: _____	COIN (T5) pretrig: _____ k
Comments: <u>Carbon Hole -> Moved 3H07C X Pos to -1.0</u>					COIN (T6) rate k	$e\text{-}\gamma$ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
							Max NPS anode (mA)

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

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

Date: / /
 yy mm dd

Initials:

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

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

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 4x4 (8-2x2)

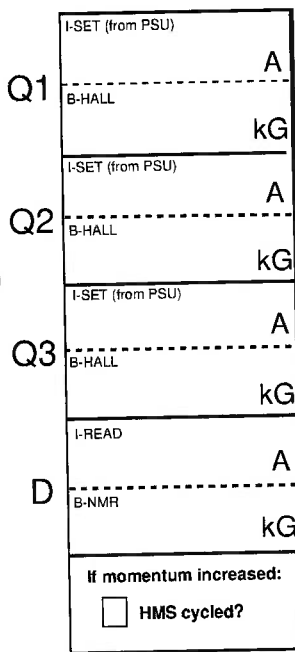
Beam position and angle on target:

3H07A	X	Y
<u>1.5</u>	mm	<u>0</u> mm
Nomin:		
3H07C	X	Y
<u>0.5</u>	mm	<u>0</u> mm
Nomin:		

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

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

Collimator: HMS: Large Sieve SHMS: Large Sieve



Run Number: <u>1134</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale k	Calo (T1) rate prescale k	COIN (T5) pretrig: k
					COIN (T6) rate k	$e\text{-}\gamma$ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: _____
 Carbon Hole \rightarrow 3H07A: xps \rightarrow 1.0, 3H07C: xps \rightarrow 0
 Max NPS anode (mA)

Run Number: <u>1135</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale k	Calo (T1) rate prescale k	COIN (T5) pretrig: k
					COIN (T6) rate k	$e\text{-}\gamma$ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: _____
 Carbon hole: 3H07A(xps) \rightarrow 1.5, 3H07C(xps) \rightarrow 0.5
 Max NPS anode (mA)

Run Number: <u>1136</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> No targ	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale k	Calo (T1) rate prescale k	COIN (T5) pretrig: k
					COIN (T6) rate k	$e\text{-}\gamma$ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: _____
 Bull's eye scan
 Max NPS anode (mA)

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale k	Calo (T1) rate prescale k	COIN (T5) pretrig: k
					COIN (T6) rate k	$e\text{-}\gamma$ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: _____
 Max NPS anode (mA)

p(e,e') p Run Sheet

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

Date: 23, 9, 16
yy mm dd

Initials: H.V.

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Purpose:
 Production
 Test
 Optics
 Other: _____

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

Raster: On Off
Size: _____

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

Beam position and angle on target:

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

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

Collimator: **HMS:** Large Sieve **SHMS:** Large Sieve

Q1	I-SET (from PSU)	A
	B-HALL	kG
Q2	I-SET (from PSU)	A
	B-HALL	kG
Q3	I-SET (from PSU)	A
	B-HALL	kG
D	I-READ	A
	B-NMR	kG

If momentum increased:
 HMS cycled?

Run Number: 1139

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

Comments: out

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

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

Settings Verified? HV OK? 50k OK?

HMS (T4) rate prescale pretrig: _____ k **Calo (T1) rate prescale pretrig:** _____ k

COIN (T5) pretrig: _____ k

Data ok Junk

Bull eyes scan 3H07A - (0.5, 0)
← (-0.5, -2) - 3H07A
Bull eyes scan (-1.5, -2) - 3H07C

Run Number: 1140

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

Comments: out

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

Start time (from RC): 01:46 **Stop time (from RC):** 01:49

Settings Verified? HV OK? 50k OK?

HMS (T4) rate prescale pretrig: _____ k **Calo (T1) rate prescale pretrig:** _____ k

COIN (T5) pretrig: _____ k

Data ok Junk

I_{beam} = 4 μA (-0.5, -2) - 3H07A
(-1.5, -2) - 3H07C

Run Number: 1141

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

Comments: _____

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

Start time (from RC): 2:08 **Stop time (from RC):** 2:11

Settings Verified? HV OK? 50k OK?

HMS (T4) rate prescale pretrig: _____ k **Calo (T1) rate prescale pretrig:** _____ k

COIN (T5) pretrig: _____ k

Data ok Junk

(3.3, 2) - 3H07A
(2.6, 2) - 3H07C

Run Number: 1142

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

Comments: _____

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

Start time (from RC): 2:15 **Stop time (from RC):** 2:19

Settings Verified? HV OK? 50k OK?

HMS (T4) rate prescale pretrig: _____ k **Calo (T1) rate prescale pretrig:** _____ k

COIN (T5) pretrig: _____ k

Data ok Junk

(1.5, 0) - 3H07A
(0.5, 0) - 3H07C

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

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

Date: 239, 96
yy mm dd

Initials: H.V.

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

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

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

SHMS NPS
 $\theta(TV)$: _____ $\theta = SHMS$
Nearest 0.005 -16.30° Nearest 0.005

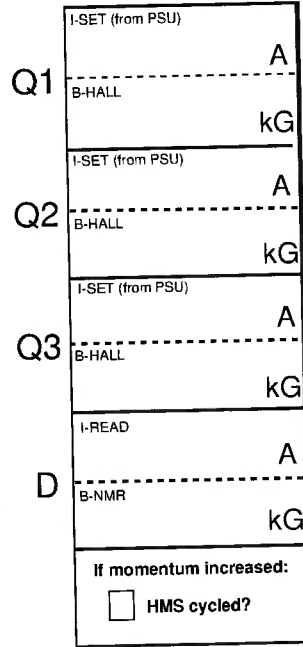
Collimator: HMS: Large Sieve SHMS: Large Sieve

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
Size: _____

Beam position and angle on target:

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



Run Number: 1143
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l.
 Comments: _____
 Start time (from RC): 4:46 Stop time (from RC): _____
 Settings Verified? HV OK? 50k OK?
 HMS (T4) rate prescale _____ k Calo (T1) rate prescale _____ k
 COIN (T5) pretrig: _____ k COIN (T6) rate _____ k e- γ evts: _____
 Data ok Junk

HMS detec. Q_2 current = nominal + 20%
verification very short Run

Run Number: 1144
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l.
 Comments: _____
 Start time (from RC): 4:51 Stop time (from RC): _____
 Settings Verified? HV OK? 50k OK?
 HMS (T4) rate prescale _____ k Calo (T1) rate prescale _____ k
 COIN (T5) pretrig: 0.1 k COIN (T6) rate 0.1 k e- γ evts: _____
 Data ok Junk

HMS $Q_2 + 20\%$ Junk No beam

Run Number: 1145
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l.
 Comments: _____
 Start time (from RC): 5:16 Stop time (from RC): 6:06
 Settings Verified? HV OK? 50k OK?
 HMS (T4) rate prescale 2 k Calo (T1) rate prescale 0.1 k
 COIN (T5) pretrig: 0.1 k COIN (T6) rate 0.1 k e- γ evts: _____
 Data ok Junk

HMS $Q_2 + 20\%$ $I_{beam} = 10 \mu A$

Run Number: 1146
 LH2 10cm LD2 10cm Dummy 10cm
 Optics#1 8cm C 0.5% r.l.l.
 Comments: _____
 Start time (from RC): 6:06 Stop time (from RC): 6:56
 Settings Verified? HV OK? 50k OK?
 HMS (T4) rate prescale 3.5 k Calo (T1) rate prescale 0.1 k
 COIN (T5) pretrig: 0.1 k COIN (T6) rate 0.1 k e- γ evts: _____
 Data ok Junk

HMS Q_2 nominal

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

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

Date: ___/___/___
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Purpose:

- Production
- Test
- Optics
- Other: _____

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

Raster: On Off
Size: _____

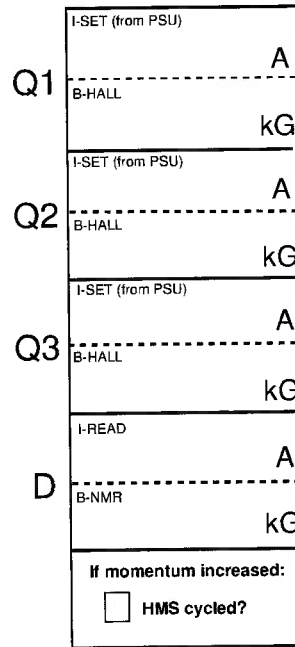
HMS
 p : +/- _____ $\theta(TV)$: _____
From GUI Nearest 0.005

Beam position and angle on target:

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

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

Collimator: HMS: Large Sieve SHMS: Large Sieve



Run Number: 1147	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: 2 PS4: - PS5: - PS6: -	Start time (from RC): Stop time (from RC):	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate prescale pretrig: k	Calo (T1) rate prescale pretrig: k	COIN (T5) pretrig: k
Comments:	Junk Coda restart					Max NPS anode (mA)	

Run Number: 1148	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: 2 PS4: - PS5: - PS6: -	Start time (from RC): 7:02 Stop time (from RC): 7:12	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate prescale pretrig: 3.4 k	Calo (T1) rate prescale pretrig: 0.1 k	COIN (T5) pretrig: 0.1 k
Comments:	fadcmode 10					Max NPS anode (mA)	

Run Number: 1149	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: 2 PS4: - PS5: - PS6: -	Start time (from RC): 7:51 Stop time (from RC): 8:01	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate prescale pretrig: 6.6 k	Calo (T1) rate prescale pretrig: 0.1 k	COIN (T5) pretrig: 0.1 k
Comments:						Max NPS anode (mA)	

Run Number: 1150	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: 2 PS4: - PS5: - PS6: -	Start time (from RC): 8:04 Stop time (from RC):	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale pretrig: 6.7 k	Calo (T1) rate prescale pretrig: 0.1 k	COIN (T5) pretrig: 0.1 k
Comments:						Max NPS anode (mA)	

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

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

Date: ___/___/___
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

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

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

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

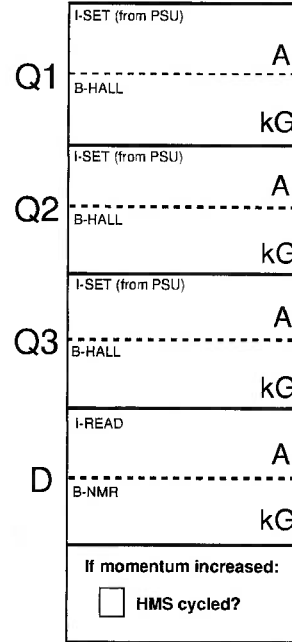
Collimator: **HMS:** Large Sieve **SHMS:** Large Sieve

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
Size: _____

Beam position and angle on target:

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



Run Number: 1151	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: 0 PS5: - PS6: -	Start time (from RC): 8:31 Stop time (from RC): 8:46	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate prescale: 65 k pretrig: 0.1 k COIN (T6) rate 0.1 k	Calo (T1) rate prescale: 0.1 k pretrig: 0.1 k e-γ evts:	COIN (T5) pretrig: 0.1 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (mA)

Run Number: 1152	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input checked="" type="checkbox"/> no target	PS1: - PS2: - PS3: - PS4: 0 PS5: - PS6: -	Start time (from RC): 9:28 Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale: k pretrig: k COIN (T6) rate k	Calo (T1) rate prescale: k pretrig: k e-γ evts:	COIN (T5) pretrig: k <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments: sweeper run							Max NPS anode (mA)

Run Number: 1158	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: 5 PS4: 0 PS5: - PS6: -	Start time (from RC): 12:39 Stop time (from RC): 13:28	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate prescale: 4 k pretrig: k COIN (T6) rate 0 k	Calo (T1) rate prescale: 0 k pretrig: 0 k e-γ evts:	COIN (T5) pretrig: 0 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (mA)

Run Number: 1159	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: 5 PS4: 0 PS5: - PS6: -	Start time (from RC): 1 Stop time (from RC):	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate prescale: k pretrig: k COIN (T6) rate k	Calo (T1) rate prescale: k pretrig: k e-γ evts:	COIN (T5) pretrig: k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (mA)

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

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

Date: 23/09/16
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Purpose:
 Production
 Test
 Optics
 Other: _____

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

Raster: On Off
Size: _____

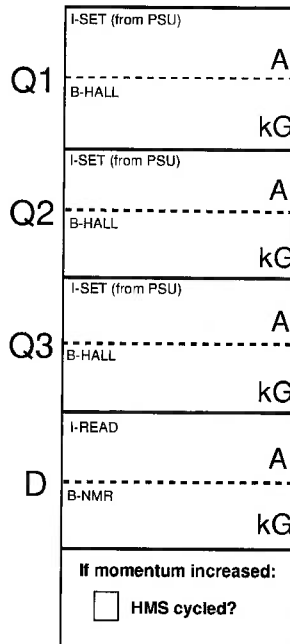
HMS
 p : +/- _____ $\theta(TV)$: _____
From GUI Nearest 0.005

Beam position and angle on target:

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

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

Collimator: **HMS:** Large Sieve **SHMS:** Large Sieve



Run Number: 1160

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

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

Start time (from RC): 13:33 Settings Verified? **HMS (T4) rate** prescale: 0.42 k **Calo (T1) rate** prescale: 0 k **COIN (T5)** pretrig: 0 k

Stop time (from RC): 14:17 HV OK? **COIN (T6) rate**: 0 k **e- γ evts:** Data ok

50k OK? Junk

Comments: _____

Max NPS anode (mA)

Run Number: 1161

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

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

Start time (from RC): 14:18 Settings Verified? **HMS (T4) rate** prescale: 0.42 k **Calo (T1) rate** prescale: 0 k **COIN (T5)** pretrig: 0 k

Stop time (from RC): 14:50 HV OK? **COIN (T6) rate**: 0 k **e- γ evts:** Data ok

50k OK? Junk

Comments: _____

Max NPS anode (mA)

Run Number: 1162

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

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

Start time (from RC): 14:51 Settings Verified? **HMS (T4) rate** prescale: 0.43 k **Calo (T1) rate** prescale: 0 k **COIN (T5)** pretrig: 0 k

Stop time (from RC): 14:59 HV OK? **COIN (T6) rate**: 0 k **e- γ evts:** Data ok

50k OK? Junk

Comments: _____

Max NPS anode (mA)

Run Number: 1163

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

PS1: — PS2: 5 PS3: 5 PS4: 0 PS5: — PS6: —

Start time (from RC): 15:00 Settings Verified? **HMS (T4) rate** prescale: 0.43 k **Calo (T1) rate** prescale: 0 k **COIN (T5)** pretrig: 0 k

Stop time (from RC): 16:06 HV OK? **COIN (T6) rate**: 0 k **e- γ evts:** Data ok

50k OK? Junk

Comments: _____

Max NPS anode (mA)

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

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

Date: 23/09/16
yy mm dd

Initials: Y.G.

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Purpose:
 Production
 Test
 Optics
 Other: _____

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

Raster: On Off
Size: _____

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

Beam position and angle on target:

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

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

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

Collimator: **HMS:** Large Sieve **SHMS:** Large Sieve

Run Number: 1164	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l.l.	PS1: - PS2: - PS3: 5 PS4: 0 PS5: - PS6: -	Start time (from RC): 16:10 Stop time (from RC): 10:25	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate prescale: 0.43 k pretrig: 0 COIN (T6) rate: 0 k	Calo (T1) rate prescale: 0 k pretrig: 0 e- γ evts:	COIN (T5) pretrig: 0 k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: _____							Max NPS anode (mA)

Run Number: 1165	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l.l.	PS1: - PS2: - PS3: - PS4: - PS5: 0 PS6: -	Start time (from RC): 16:27 Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale: k pretrig: k COIN (T6) rate: k	Calo (T1) rate prescale: k pretrig: k e- γ evts:	COIN (T5) pretrig: k <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments: _____							Max NPS anode (mA)

Run Number: 1166	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale: k pretrig: k COIN (T6) rate: k	Calo (T1) rate prescale: k pretrig: k e- γ evts:	COIN (T5) pretrig: k <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments: _____							Max NPS anode (mA)

Run Number: 1167	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale: k pretrig: k COIN (T6) rate: k	Calo (T1) rate prescale: k pretrig: k e- γ evts:	COIN (T5) pretrig: k <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments: _____							Max NPS anode (mA)

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

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

Date: ___/___/___
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Purpose:
 Production
 Test
 Optics
 Other: _____

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

Raster: On Off
Size: _____

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

Beam position and angle on target:

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

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

Collimator: **HMS:** Large Sieve **SHMS:** Large Sieve

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

Run Number: 1668	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale _____ k pretrig: _____	Calo (T1) rate prescale _____ k pretrig: _____	COIN (T5) pretrig: _____ k <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments: Junk							Max NPS anode (mA)

Run Number: 1168	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale _____ k pretrig: _____	Calo (T1) rate prescale _____ k pretrig: _____	COIN (T5) pretrig: _____ k <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments: Junk							Max NPS anode (mA)

Run Number: 1170	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale _____ k pretrig: _____	Calo (T1) rate prescale _____ k pretrig: _____	COIN (T5) pretrig: _____ k <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments: Junk							Max NPS anode (mA)

Run Number: 1171	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale _____ k pretrig: _____	Calo (T1) rate prescale _____ k pretrig: _____	COIN (T5) pretrig: _____ k <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments: Junk							Max NPS anode (mA)

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

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

Date: ___/___/___
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Purpose:
 Production
 Test
 Optics
 Other: _____

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

Raster: On Off
Size: _____

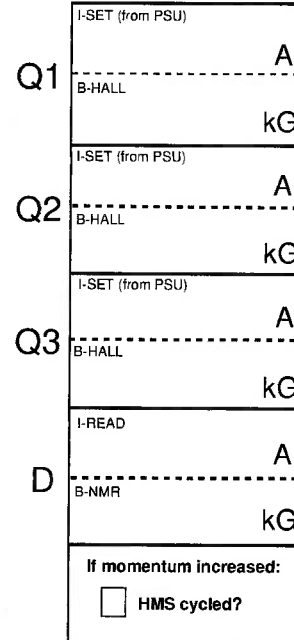
HMS
 p : +/- _____ $\theta(TV)$: _____
From GUI Nearest 0.005

Beam position and angle on target:

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

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

Collimator: **HMS:** Large Sieve **SHMS:** Large Sieve



Run Number: 1172	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale pretrig: _____ k COIN (T6) rate: _____ k	Calo (T1) rate prescale pretrig: _____ k $e\text{-}\gamma$ evts: _____	COIN (T5) pretrig: _____ k <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments: Junk							Max NPS anode (mA)

Run Number: 1173	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale pretrig: _____ k COIN (T6) rate: _____ k	Calo (T1) rate prescale pretrig: _____ k $e\text{-}\gamma$ evts: _____	COIN (T5) pretrig: _____ k <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments: Junk							Max NPS anode (mA)

Run Number: 1174	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale pretrig: _____ k COIN (T6) rate: _____ k	Calo (T1) rate prescale pretrig: _____ k $e\text{-}\gamma$ evts: _____	COIN (T5) pretrig: _____ k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (mA)

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale pretrig: _____ k COIN (T6) rate: _____ k	Calo (T1) rate prescale pretrig: _____ k $e\text{-}\gamma$ evts: _____	COIN (T5) pretrig: _____ k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 1175-1180 Junk							Max NPS anode (mA)

p(e,e' γ) p Run Sheet

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

Date: / /
yy mm dd

Initials:

Use a separate sheet for each configuration.

HMS

Configuration Name:
HMS Optics data

Purpose:
 Production
 Test
 Optics
 Other:

E_{beam}: 10.539 GeV **I_{beam}:** μ A

Raster: On Off
Size: 2x2

Q1	I-SET (from PSU) <u>799.06</u> A	B-HALL KG
Q2	I-SET (from PSU) <u>646.01</u> A	B-HALL 646.01 KG
Q3	I-SET (from PSU) <u>308.26</u> A	B-HALL 308.20 KG
D	I-READ <u>2028.21</u> A	B-NMR KG
If momentum increased: <input type="checkbox"/> HMS cycled?		

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

Beam position and angle on target:

3H07A	X	Y
<u>1.502</u> mm		<u>0.08</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.508</u> mm		<u>-0.04</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): -37.0 **θ = SHMS**
Nearest 0.005 -16.30° Nearest 0.005

Collimator: **HMS:** Large Sieve **SHMS:** Large Sieve

Run Number: <u>1188</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l.l.	PS1: <u>0</u> PS2: <u>0</u> PS3: <u>0</u> PS4: <u>1</u> PS5: <u>0</u> PS6: <u>0</u>	Start time (from RC): <u>6:22</u> Stop time (from RC): <u>7:14</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale: <u> </u> k pretrig: <u> </u> k Calo (T1) rate prescale: <u> </u> k pretrig: <u> </u> k COIN (T5) pretrig: <u> </u> k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:					Max NPS anode (mA)

Run Number: <u>1195</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l.l.	PS1: <u>0</u> PS2: <u>0</u> PS3: <u>0</u> PS4: <u>1</u> PS5: <u>0</u> PS6: <u>0</u>	Start time (from RC): <u>9:57</u> Stop time (from RC): <u>10:46</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate prescale: <u>0.124</u> k pretrig: <u> </u> k Calo (T1) rate prescale: <u>0</u> k pretrig: <u> </u> k COIN (T5) pretrig: <u>0</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:					Max NPS anode (mA)

Run Number: <u>1196</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l.l.	PS1: <u>0</u> PS2: <u>0</u> PS3: <u>0</u> PS4: <u>1</u> PS5: <u>0</u> PS6: <u>0</u>	Start time (from RC): <u>10:50</u> Stop time (from RC): <u>12:06</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate prescale: <u> </u> k pretrig: <u> </u> k Calo (T1) rate prescale: <u>0</u> k pretrig: <u> </u> k COIN (T5) pretrig: <u>0</u> k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:					Max NPS anode (mA)

Run Number: <u>1197</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l.l.	PS1: <u>0</u> PS2: <u>0</u> PS3: <u>0</u> PS4: <u>1</u> PS5: <u>0</u> PS6: <u>0</u>	Start time (from RC): <u>12:07</u> Stop time (from RC): <u>12:44</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate prescale: <u>0.06</u> k pretrig: <u> </u> k Calo (T1) rate prescale: <u>0.06</u> k pretrig: <u> </u> k COIN (T5) pretrig: <u>0.06</u> k <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments: <u>configuration change</u>					Max NPS anode (mA)

p(e,e' γ) p Run Sheet

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

Date: 23.09.18
yy mm dd

Initials CEH

Use a separate sheet for each configuration.

HMS

Configuration Name:
5-Pass Elastic Calibration

Purpose:
 Production
 Test
 Optics
 Other: NPS calib

E_{beam}: 4 GeV **I_{beam}:** 1 μ A

Raster: On Off
Size: _____

HMS
p₊ 4.0360 **θ (TV):** 30.14
From GUI Nearest 0.005

Beam position and angle on target:

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

SHMS **NPS**
 θ (TV): 32.05 **θ = SHMS** -16.30°
Nearest 0.005 Nearest 0.005

Collimator: **HMS:** Large Sieve **SHMS:** Large Sieve

Q1	I-SET (from PSU) <u>5.25.44</u> A B-HALL <u>-0.71040</u> kg T
Q2	I-SET (from PSU) <u>0.896</u> A 418.1 B-HALL <u>0.895</u> kg
Q3	I-SET (from PSU) <u>2.03.29</u> A B-HALL <u>kg</u> T -0.4113
D	I-READ <u>1.237.08</u> A B-NMR <u>10.7</u> kg
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: 1235
 LH2 10cm PS1: — **Start time (from RC):** _____
 LD2 10cm PS2: — Settings Verified?
 Dummy 10cm PS3: 0 HV OK?
 Optics#1 8cm PS4: — 50k OK?
 C 0.5% r.l.i. PS5: — **Stop time (from RC):** _____
 _____ PS6: — **HMS (T4) rate** _____ k **Calo (T1) rate** _____ k **COIN (T5)** _____ k
pretrig: pretrig: pretrig:
Comments: tuning threshold energy of cluster Data ok
 Junk **Max NPS anode (mA)** _____

Run Number: 1236
 LH2 10cm PS1: — **Start time (from RC):** 6:59
 LD2 10cm PS2: — Settings Verified?
 Dummy 10cm PS3: 0 HV OK?
 Optics#1 8cm PS4: — 50k OK?
 C 0.5% r.l.i. PS5: — **Stop time (from RC):** _____
 _____ PS6: — **HMS (T4) rate** _____ k **Calo (T1) rate** _____ k **COIN (T5)** _____ k
pretrig: pretrig: pretrig:
Comments: window set to 100 threshold set to 100 Data ok
 Junk **Max NPS anode (mA)** _____

Run Number: 1237
 LH2 10cm PS1: — **Start time (from RC):** 08:23
 LD2 10cm PS2: — Settings Verified?
 Dummy 10cm PS3: — HV OK?
 Optics#1 8cm PS4: — 50k OK?
 C 0.5% r.l.i. PS5: — **Stop time (from RC):** 08:23
 _____ PS6: — **HMS (T4) rate** _____ k **Calo (T1) rate** _____ k **COIN (T5)** _____ k
pretrig: pretrig: pretrig:
Comments: _____ Data ok
 Junk **Max NPS anode (mA)** 10 μ A

Run Number: _____
 LH2 10cm PS1: _____ **Start time (from RC):** _____
 LD2 10cm PS2: _____ Settings Verified?
 Dummy 10cm PS3: _____ HV OK?
 Optics#1 8cm PS4: _____ 50k OK?
 C 0.5% r.l.i. PS5: _____ **Stop time (from RC):** _____
 _____ PS6: _____ **HMS (T4) rate** _____ k **Calo (T1) rate** _____ k **COIN (T5)** _____ k
pretrig: pretrig: pretrig:
Comments: _____ Data ok
 Junk **Max NPS anode (mA)** _____

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

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

Date: 23, 09, 18
yy mm dd

Initials: Y.G.

Use a separate sheet for each configuration.

HMS

Configuration Name:
5-Pass Elastic Calibration

E_{beam} : 10.538 GeV I_{beam} : 20 μA

HMS
 p : +/- _____ $\theta(TV)$: 32.16
From GUI Nearest 0.005

SHMS **NPS**
 $\theta(TV)$: 32.05 $\theta =$ SHMS -16.30°
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve SHMS: Large Sieve

Purpose:

- Production
 Test
 Optics
 Other: Elastic Cal

Raster: On Off
Size: _____

Beam position and angle on target:

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

Q1	I-SET (from PSU) <u>525.4</u>	A
	B-HALL	<input checked="" type="checkbox"/> T
Q2	I-SET (from PSU) <u>418.1</u>	A
	B-HALL	<input checked="" type="checkbox"/> Y
Q3	I-SET (from PSU) <u>202.9</u>	A
	B-HALL	<input checked="" type="checkbox"/> T
D	I-READ <u>12.363</u>	A
	B-NMR	<input checked="" type="checkbox"/> T
If momentum increased: <input type="checkbox"/> HMS cycled?		

Run Number: 1238

LH2 10cm PS1: - Start time (from RC): 9:59 Settings Verified? HMS (T4) rate prescale 60 k Calo (T1) rate prescale 8.6 k COIN (T5) pretrig: 3.0 k

LD2 10cm PS2: - Stop time (from RC): 11:33 HV OK? COIN (T6) rate 0.5 k $e\text{-}\gamma$ evts: 216K Data ok

Dummy 10cm PS3: 0 50k OK? Junk

Optics#1 8cm PS4: - Junk

C 0.5% r.l.l PS5: - Junk

_____ PS6: - Junk

Comments: _____

Max NPS anode (mA) 1.4 AA

Run Number: 1239

LH2 10cm PS1: - Start time (from RC): 11:43 Settings Verified? HMS (T4) rate prescale _____ k Calo (T1) rate prescale _____ k COIN (T5) pretrig: _____ k

LD2 10cm PS2: - Stop time (from RC): 13:13 HV OK? COIN (T6) rate _____ k $e\text{-}\gamma$ evts: 125K Data ok

Dummy 10cm PS3: 0 50k OK? Junk

Optics#1 8cm PS4: - Junk

C 0.5% r.l.l PS5: - Junk

_____ PS6: - Junk

Comments: SHMS angle to 33.19, beam 30 μA

Max NPS anode (mA) _____

Run Number: 1240

LH2 10cm PS1: - Start time (from RC): 17:59 Settings Verified? HMS (T4) rate prescale _____ k Calo (T1) rate prescale _____ k COIN (T5) pretrig: _____ k

LD2 10cm PS2: - Stop time (from RC): 18:06 HV OK? COIN (T6) rate _____ k $e\text{-}\gamma$ evts: 1K Data ok

Dummy 10cm PS3: 0 50k OK? Junk

Optics#1 8cm PS4: - Junk

C 0.5% r.l.l PS5: - Junk

Out of beam PS6: - Junk

Comments: Test

Max NPS anode (mA) _____

Run Number: 91

LH2 10cm PS1: _____ Start time (from RC): _____ Settings Verified? HMS (T4) rate prescale _____ k Calo (T1) rate prescale _____ k COIN (T5) pretrig: _____ k

LD2 10cm PS2: _____ Stop time (from RC): _____ HV OK? COIN (T6) rate _____ k $e\text{-}\gamma$ evts: _____ Data ok

Dummy 10cm PS3: _____ 50k OK? Junk

Optics#1 8cm PS4: _____ Junk

C 0.5% r.l.l PS5: _____ Junk

_____ PS6: _____ Junk

Comments: _____

Max NPS anode (mA) _____

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

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

Date: / /
 yy mm dd

Initials:

Use a separate sheet for each configuration.

HMS

Configuration Name:
Optics Cal. button

E_{beam}: 10.588 GeV **I_{beam}:** 300 μ A

HMS
p: +/- E- **θ (TV):** 12.395
From GUI Nearest 0.005

SHMS **NPS** 21.400
 θ (TV): 32.700 **θ = SHMS**
Nearest 0.005 **-16.30°** Nearest 0.005

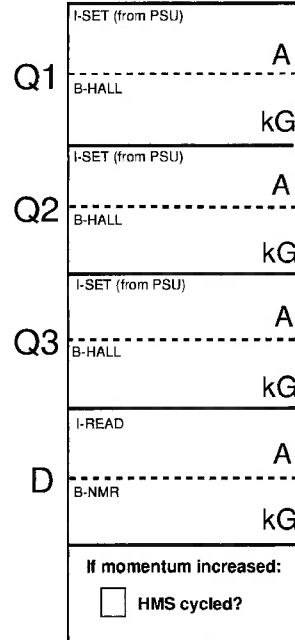
Collimator: **HMS:** Large Sieve **SHMS:** Large Sieve

Purpose:
 Production
 Test
 Optics
 Other:

Raster: On Off
Size: 2x2mm

Beam position and angle on target:

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



Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u> </u> PS2: <u> </u> PS3: <u> </u> PS4: <u> </u> PS5: <u> </u> PS6: <u> </u>	Start time (from RC): <u> </u> Stop time (from RC): <u> </u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale <u> </u> k pretrig: <u> </u> k	Calo (T1) rate prescale <u> </u> k pretrig: <u> </u> k	COIN (T5) pretrig: <u> </u> k
Comments:					COIN (T6) rate <u> </u> k	e-γ evts: <u> </u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
							Max NPS anode (mA) <u> </u>

Run Number: <u>1241</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input checked="" type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>17:59</u> Stop time (from RC): <u> </u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate prescale <u> </u> k pretrig: <u> </u> k	Calo (T1) rate prescale <u> </u> k pretrig: <u> </u> k	COIN (T5) pretrig: <u> </u> k
Comments: <u>Test Junk</u>					COIN (T6) rate <u> </u> k	e-γ evts: <u> </u>	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
							Max NPS anode (mA) <u>30 mA</u>

Run Number: <u>1242</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input checked="" type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>22:10</u> Stop time (from RC): <u>22:27</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale <u> </u> k pretrig: <u> </u> k	Calo (T1) rate prescale <u> </u> k pretrig: <u> </u> k	COIN (T5) pretrig: <u> </u> k
Comments: <u>Test</u>					COIN (T6) rate <u> </u> k	e-γ evts: <u> </u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
							Max NPS anode (mA) <u> </u>

Run Number: <u>1243</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>22:30</u> Stop time (from RC): <u>23:30</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate prescale <u> </u> k pretrig: <u> </u> k	Calo (T1) rate prescale <u> </u> k pretrig: <u> </u> k	COIN (T5) pretrig: <u> </u> k
Comments:					COIN (T6) rate <u> </u> k	e-γ evts: <u> </u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
							Max NPS anode (mA) <u> </u>

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

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

Date: / /
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
Optics Calibration

Purpose:
 Production
 Test
 Optics
 Other: _____

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

Raster: On Off
Size: _____

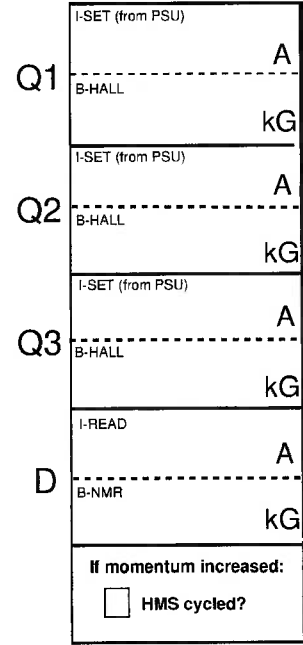
HMS
p: +/- _____ **θ (TV):** _____
From GUI Nearest 0.005

Beam position and angle on target:

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

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

Collimator: **HMS: Large** **Sieve** **SHMS: Large** **Sieve**



Run Number: *1245*

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

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

Start time (from RC): *00:39*

Stop time (from RC): _____

Settings Verified? HV OK? 50k OK?

HMS (T4) rate prescale pretrig: *0.22* k

Calo (T1) rate prescale pretrig: 0 k

COIN (T5) pretrig: 0 k

COIN (T6) rate: 0 k

e- γ evts: _____

Data ok Junk

Comments: _____

Max NPS anode (mA) _____

Run Number: *1246*

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

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

Start time (from RC): *1:47*

Stop time (from RC): _____

Settings Verified? HV OK? 50k OK?

HMS (T4) rate prescale pretrig: *0.12* k

Calo (T1) rate prescale pretrig: 0 k

COIN (T5) pretrig: 0 k

COIN (T6) rate: 0 k

e- γ evts: _____

Data ok Junk

Comments: _____

Max NPS anode (mA) _____

Run Number: *1247*
1248

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

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

Start time (from RC): *5:10*

Stop time (from RC): *6:05*

Settings Verified? HV OK? 50k OK?

HMS (T4) rate prescale pretrig: *0.12* k

Calo (T1) rate prescale pretrig: 0 k

COIN (T5) pretrig: 0 k

COIN (T6) rate: 0 k

e- γ evts: _____

Data ok Junk

Comments: *Optics IS*

Max NPS anode (mA) _____

Run Number: *1249*

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

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

Start time (from RC): *6:10*

Stop time (from RC): *6:37*

Settings Verified? HV OK? 50k OK?

HMS (T4) rate prescale pretrig: _____ k

Calo (T1) rate prescale pretrig: _____ k

COIN (T5) pretrig: _____ k

COIN (T6) rate: _____ k

e- γ evts: _____

Data ok Junk

Comments: _____

Max NPS anode (mA) _____

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

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

Date: 23/09/19
yy mm dd

Initials: YG

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Purpose:
 Production
 Test
 Optics
 Other: _____

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

Raster: On Off
Size: _____

HMS
 p : +/- _____ $\theta(TV)$: 20.69
From GUI Nearest 0.005

Beam position and angle on target:

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

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

Collimator: HMS: Large Sieve SHMS: Large Sieve

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

Run Number: <u>1250</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: - PS2: - PS3: - PS4: 0 PS5: - PS6: -	Start time (from RC): <u>9:27</u> Stop time (from RC): <u>10:02</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate prescale _____ k pretrig: <u>0.17</u> COIN (T6) rate _____ k	Calo (T1) rate prescale _____ k pretrig: 0 e-γ evts: <u>244K</u>	COIN (T5) pretrig: _____ k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (mA)

Run Number: <u>1251</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: - PS2: - PS3: - PS4: 0 PS5: - PS6: -	Start time (from RC): <u>12:55</u> Stop time (from RC): <u>13:30</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate prescale _____ k pretrig: _____ k COIN (T6) rate _____ k	Calo (T1) rate prescale _____ k pretrig: _____ k e-γ evts: <u>60.5K</u>	COIN (T5) pretrig: _____ k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: HMS angle 20.69°, 30min run							Max NPS anode (mA)

Run Number: <u>1252</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: - PS2: - PS3: - PS4: 0 PS5: - PS6: -	Start time (from RC): <u>13:45</u> Stop time (from RC): _____	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate prescale _____ k pretrig: _____ k COIN (T6) rate _____ k	Calo (T1) rate prescale _____ k pretrig: _____ k e-γ evts: <u>39K</u>	COIN (T5) pretrig: _____ k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (mA)

Run Number: <u>1253</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: -	Start time (from RC): <u>14:34</u> Stop time (from RC): <u>15:17</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale _____ k pretrig: _____ k COIN (T6) rate _____ k	Calo (T1) rate prescale _____ k pretrig: _____ k e-γ evts: _____	COIN (T5) pretrig: _____ k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: HMS angle 22.12							Max NPS anode (mA)

p(e,e'γ) p Run Sheet

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

Date: 09/19/22
yy mm dd

Initials: WVA

Use a separate sheet for each configuration.

HMS

Configuration Name: OPTICS

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.538 GeV **I_{beam}:** 30 μA

Raster: On Off
Size: 2x2

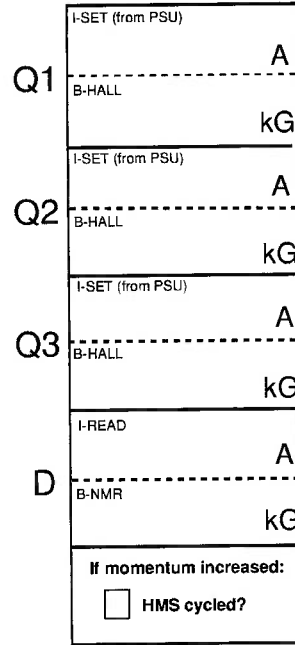
HMS
p: +/- _____ **θ(TV):** 22.12
From GUI Nearest 0.005

Beam position and angle on target:

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

SHMS **NPS**
θ(TV): 37.30 **θ = SHMS** _____
Nearest 0.005 -16.30° Nearest 0.005

Collimator: **HMS:** Large Sieve **SHMS:** Large Sieve



Run Number: <u>1259</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>16:16</u> Stop time (from RC):	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale _____ k pretrig: _____ k	Calo (T1) rate prescale _____ k pretrig: _____ k	COIN (T5) pretrig: _____ k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (mA)

Run Number: <u>1260</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale _____ k pretrig: _____ k	Calo (T1) rate prescale _____ k pretrig: _____ k	COIN (T5) pretrig: _____ k <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments: <u>JUNK</u>							Max NPS anode (mA)

Run Number: <u>1261</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input checked="" type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): <u>17:58</u> Stop time (from RC): <u>18:00</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate prescale _____ k pretrig: _____ k	Calo (T1) rate prescale _____ k pretrig: _____ k	COIN (T5) pretrig: _____ k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>Sieve slit was not inserted</u>							Max NPS anode (mA)

Run Number: <u>1262</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input checked="" type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-2</u> PS6: <u>-1</u>	Start time (from RC): <u>18:06</u> Stop time (from RC):	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate prescale _____ k pretrig: _____ k	Calo (T1) rate prescale _____ k pretrig: _____ k	COIN (T5) pretrig: _____ k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (mA)

p(e,e' γ) p Run Sheet

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

Date: 23/09/19
yy mm dd

Initials: AA

Use a separate sheet for each configuration.

HMS

Configuration Name: KINC
KINC-x25-3'

Purpose:

- Production
 Test
 Optics
 Other: _____

Q1	I-SET (from PSU) <u>235.253</u> A
	B-HALL <u>0.9825</u> KG
Q2	I-SET (from PSU) <u>589.018</u> A
	B-HALL <u>-1.1478</u> KG
Q3	I-SET (from PSU) <u>284.177</u> A
	B-HALL <u>0.5718</u> KG
D	I-READ <u>1802.96</u> A
	B-NMR <u>1.55213</u> KG
If momentum increased: <input type="checkbox"/> HMS cycled?	

E_{beam}: 10.5 GeV **I_{beam}:** 30 μ A

Raster: On Off
Size: _____

HMS
p: +0.5699 From GUI **θ (TV):** 12.37 Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.5</u> mm	<u>0.2008</u> mm	
Nomin:		Nomin:
3H07C	X	Y
<u>0.5</u> mm	<u>-0.005</u> mm	
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): 37.3 Nearest 0.005 **θ = SHMS**
-16.30° Nearest 0.005

Collimator: **HMS: Large Sieve** **SHMS: Large Sieve**

Run Number: <u>1262</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input checked="" type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>18:07</u> Stop time (from RC): <u>19:05</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate prescale k pretrig: k	Calo (T1) rate prescale k pretrig: k	COIN (T5) pretrig: k
					COIN (T6) rate k	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: Max NPS sweeper OFF

Max NPS anode (mA) _____

Run Number: <u>1263</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input checked="" type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>19:16</u> Stop time (from RC): <u>19:54</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate prescale k pretrig: k	Calo (T1) rate prescale k pretrig: k	COIN (T5) pretrig: k
					COIN (T6) rate k	e- γ evts:	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: NPS sweeper ON

Max NPS anode (mA) _____

Run Number: <u>1264</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input checked="" type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>20:03</u> Stop time (from RC): <u>21:15</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate prescale k pretrig: k	Calo (T1) rate prescale k pretrig: k	COIN (T5) pretrig: k
					COIN (T6) rate k	e- γ evts:	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: NPS sweeper ON

Max NPS anode (mA) _____

Run Number: <u>1265</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input checked="" type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input checked="" type="checkbox"/> Optics 2.3	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>21:22</u> Stop time (from RC): _____	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate prescale k pretrig: k	Calo (T1) rate prescale k pretrig: k	COIN (T5) pretrig: k
					COIN (T6) rate k	e- γ evts:	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: _____

Max NPS anode (mA) _____

p(e,e'γ) p Run Sheet

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

Date: 23, 09, 19
yy mm dd

Initials: AA

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10,538 GeV **I_{beam}:** 30 μA

Raster: On Off
Size: 2x2

HMS
p: +/- 5639 **θ(TV):** 12.37
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.5</u> mm		<u>0.0002</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.51</u> mm		<u>0.01</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU) <u>735.253</u> A
	B-HALL <u>0.9825</u> KG
Q2	I-SET (from PSU) <u>589.018</u> A
	B-HALL <u>-1.1478</u> KG
Q3	I-SET (from PSU) <u>284.177</u> A
	B-HALL <u>0.5718</u> KG
D	I-READ <u>1802.96</u> A
	B-NMR <u>1.55213</u> KG
	If momentum increased: <input type="checkbox"/> HMS cycled?

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

Collimator: **HMS:** Large Sieve **SHMS:** Large Sieve

Run Number: <u>1266</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale k pretrig:	Calo (T1) rate prescale k pretrig:	COIN (T5) pretrig: k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (mA)

Run Number: <u>1267</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate prescale k pretrig:	Calo (T1) rate prescale k pretrig:	COIN (T5) pretrig: k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (mA)

Run Number: <u>1268</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>-</u> PS4: <u>0</u> PS5: <u>-</u> PS6: <u>-</u>	Start time (from RC): <u>1:14</u> Stop time (from RC): <u>2:30</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate prescale k pretrig:	Calo (T1) rate prescale k pretrig:	COIN (T5) pretrig: k <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (mA)

Run Number: <u>1269</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>-</u> PS4: <u>0</u> PS5: <u>-</u> PS6: <u>-</u>	Start time (from RC): <u>2:47</u> Stop time (from RC): <u>3:55</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate prescale k pretrig:	Calo (T1) rate prescale k pretrig:	COIN (T5) pretrig: k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (mA)

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

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

Date: / /
 yy mm dd

Initials:

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Purpose:
 Production
 Test
 Optics
 Other: _____

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

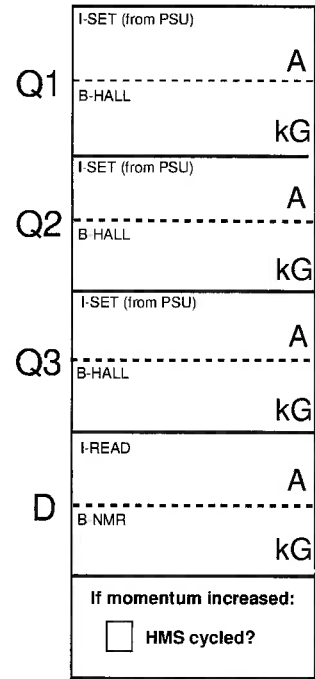
Raster: On Off
Size: _____

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

Beam position and angle on target:

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

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



Collimator: **HMS:** Large Sieve **SHMS:** Large Sieve

Run Number: 1270	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I <input type="checkbox"/> _____	PS1: <u> </u> PS2: <u> </u> PS3: <u> </u> PS4: <u> </u> PS5: <u> </u> PS6: <u> </u>	Start time (from RC): 5:49 Stop time (from RC): 6:16	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?*	HMS (T4) rate prescale _____ k pretrig: _____ k COIN (T6) rate _____ k	Calo (T1) rate prescale _____ k pretrig: _____ k e-γ evts: _____	COIN (T5) pretrig: _____ k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: _____

Max NPS anode (mA) _____

Run Number: 1299	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I <input type="checkbox"/> _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC): 	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?*	HMS (T4) rate prescale _____ k pretrig: _____ k COIN (T6) rate _____ k	Calo (T1) rate prescale _____ k pretrig: _____ k e-γ evts: _____	COIN (T5) pretrig: _____ k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Junk

Max NPS anode (mA) _____

Run Number: 1300	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I <input type="checkbox"/> _____	PS1: <u> </u> PS2: <u> </u> PS3: <u> </u> PS4: <u> </u> PS5: <u> </u> PS6: <u> </u>	Start time (from RC): Stop time (from RC): 	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?*	HMS (T4) rate prescale _____ k pretrig: _____ k COIN (T6) rate _____ k	Calo (T1) rate prescale _____ k pretrig: _____ k e-γ evts: _____	COIN (T5) pretrig: _____ k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
----------------------------	--	--	---	---	--	--	--

Comments: FADC - sparsification = 0, PS3 = 0

Max NPS anode (mA) _____

Run Number: 1301	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I <input type="checkbox"/> _____	PS1: <u> </u> PS2: <u> </u> PS3: <u> </u> PS4: <u> </u> PS5: <u> </u> PS6: <u> </u>	Start time (from RC): 01:34 Stop time (from RC): 2:13	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?*	HMS (T4) rate prescale _____ k pretrig: _____ k COIN (T6) rate _____ k	Calo (T1) rate prescale _____ k pretrig: _____ k e-γ evts: _____	COIN (T5) pretrig: _____ k <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
----------------------------	--	--	--	---	--	--	--

Comments: FADC - sparsification = 1, PS3 = 0

Max NPS anode (mA) _____

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

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

Date: 23/09/21
yy mm dd

Initials: SP

Use a separate sheet for each configuration.

HMS

Configuration Name: VTP Parameter Scan

Purpose:

- Production
 Test
 Optics
 Other: _____

E_{beam}: _____ GeV **I_{beam}:** 30 μ A

Raster: On Off
Size: 2x2

HMS
p: +/- 4.087 **θ (TV):** 29.86
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.5</u> mm	<u>0</u> mm	
Nomin:	Nomin:	
3H07C	X	Y
<u>0.5</u> mm	<u>0</u> mm	
Nomin:	Nomin:	

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

SHMS **NPS**
 θ (TV): 33.48 **θ = SHMS** 17.18
Nearest 0.005 -16.30° Nearest 0.005

Collimator: **HMS:** Large Sieve

Run Number: <u>1313</u>	<input checked="" type="checkbox"/> LH2 10cm	PS1: <u>-</u>	Start time (from RC): <u>19:35:08</u>	<input checked="" type="checkbox"/> Settings Verified?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
	<input type="checkbox"/> LD2 10cm	PS2: <u>-</u>		<input checked="" type="checkbox"/> HV OK?			
Comments: Ramped current in steps at the beginning.	<input type="checkbox"/> Dummy 10cm	PS3: <u>0</u>	Stop time (from RC): <u>20:24</u>	<input checked="" type="checkbox"/> 50k OK?	COIN (T6) rate	e-γ evts:	<input type="checkbox"/> Junk
	<input type="checkbox"/> Optics#1 8cm	PS4: <u>-</u>					
	<input type="checkbox"/> C 0.5% r.l.	PS5: <u>-</u>					
	<input type="checkbox"/>	PS6: <u>-</u>					

Max NPS anode (μ A)
TET = 50, TRIGGER-THR = 500 PAIR-THR = 300
FADC sparsification = 0, READOUT-THR = 250, HIT-DT = 5, WIDTH = 20

Run Number: <u>1314</u>	<input checked="" type="checkbox"/> LH2 10cm	PS1: <u>-</u>	Start time (from RC): <u>20:26</u>	<input checked="" type="checkbox"/> Settings Verified?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
	<input type="checkbox"/> LD2 10cm	PS2: <u>-</u>		<input checked="" type="checkbox"/> HV OK?			
Comments: sparsification study, FADC-sparsification = 1	<input type="checkbox"/> Dummy 10cm	PS3: <u>-</u>	Stop time (from RC): <u>21:02</u>	<input checked="" type="checkbox"/> 50k OK?	COIN (T6) rate	e-γ evts:	<input type="checkbox"/> Junk
	<input type="checkbox"/> Optics#1 8cm	PS4: <u>-</u>					
	<input type="checkbox"/> C 0.5% r.l.	PS5: <u>-</u>					
	<input type="checkbox"/>	PS6: <u>-</u>					

Max NPS anode (μ A)

Run Number: <u>1315</u>	<input checked="" type="checkbox"/> LH2 10cm	PS1: <u>0</u>	Start time (from RC): <u>21:05</u>	<input checked="" type="checkbox"/> Settings Verified?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
	<input type="checkbox"/> LD2 10cm	PS2: <u>-</u>		<input checked="" type="checkbox"/> HV OK?			
Comments: Trigger study T1 run. FADC-sparsification = 0	<input type="checkbox"/> Dummy 10cm	PS3: <u>-</u>	Stop time (from RC): <u>21:25</u>	<input checked="" type="checkbox"/> 50k OK?	COIN (T6) rate	e-γ evts:	<input type="checkbox"/> Junk
	<input type="checkbox"/> Optics#1 8cm	PS4: <u>-</u>					
	<input type="checkbox"/> C 0.5% r.l.	PS5: <u>-</u>					
	<input type="checkbox"/>	PS6: <u>-</u>					

Max NPS anode (μ A)

Run Number: <u>1316</u>	<input checked="" type="checkbox"/> LH2 10cm	PS1: <u>-</u>	Start time (from RC): <u>21:26</u>	<input checked="" type="checkbox"/> Settings Verified?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
	<input type="checkbox"/> LD2 10cm	PS2: <u>-</u>		<input checked="" type="checkbox"/> HV OK?			
Comments: Trigger study, T5 run	<input type="checkbox"/> Dummy 10cm	PS3: <u>-</u>	Stop time (from RC): <u>22:00</u>	<input checked="" type="checkbox"/> 50k OK?	COIN (T6) rate	e-γ evts:	<input type="checkbox"/> Junk
	<input type="checkbox"/> Optics#1 8cm	PS4: <u>-</u>					
	<input type="checkbox"/> C 0.5% r.l.	PS5: <u>0</u>					
	<input type="checkbox"/>	PS6: <u>-</u>					

Max NPS anode (μ A)

p(e,e' γ) p Run Sheet

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

Date: 23/09/21
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
VTP Parameter scan

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: _____ GeV **I_{beam}:** 30 μ A

Raster: On Off
Size: 2x2

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

HMS
p: +/- _____ **θ (TV):** 29.86
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.5</u> mm	<u>0</u> mm	
Nomin:		Nomin:
3H07C	X	Y
<u>0.5</u> mm	<u>0</u> mm	
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): 33.48 **θ = SHMS** 17.18
Nearest 0.005 -16.30° Nearest 0.005

Collimator: **HMS:** Large Sieve

Run Number: <u>1317</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>22:03</u> Stop time (from RC): <u>22:34</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
					COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Threshold scan, Cluster trigger thr = 1500. Noticed pair trigger threshold not set properly, but it's not used now

Max NPS anode (μ A)

Run Number: <u>1318</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>22:37</u> Stop time (from RC): <u>23:09</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
					COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Threshold scan, thr = 2500.

Max NPS anode (μ A)

Run Number: <u>1319</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>23:17</u> Stop time (from RC): <u>23:22</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
					COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Chandan power cycled VME 4 crate before this run.
 Threshold scan, thr = 4000. Stop the run, Chandan checking something.

Max NPS anode (μ A)

Run Number: <u>1320</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>23:27</u> Stop time (from RC): 	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
					COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Max NPS anode (μ A)

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

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

Date: 23/09/22
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

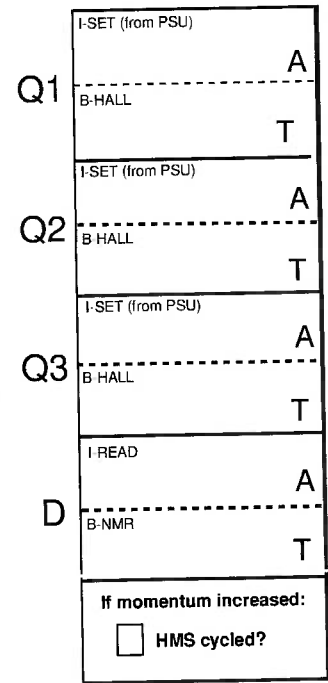
HMS

Configuration Name: _____

Purpose:
 Production
 Test
 Optics
 Other: _____

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

Raster: On Off
Size: _____



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

Beam position and angle on target:

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

SHMS **NPS**
 $\theta(\text{TV})$: _____ $\theta = \text{SHMS}$
Nearest 0.005 **-16.30°** Nearest 0.005

Collimator: **HMS:** Large Sieve

Run Number: 1321	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: -1 PS2: -1 PS3: 0 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 23:59 Stop time (from RC): 01:00	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (μA)

Run Number: 1322	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: 0 PS4: - PS5: - PS6: -	Start time (from RC): 01:01 Stop time (from RC): 02:08	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 247k events							Max NPS anode (μA)

Run Number: 1323	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: 0 PS4: - PS5: - PS6: -	Start time (from RC): 3:14 Stop time (from RC): 3:28	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 31k events							Max NPS anode (μA)

Run Number: 1324	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: 0 PS4: - PS5: - PS6: -	Start time (from RC): 3:51 Stop time (from RC):	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 102k events							Max NPS anode (μA)

p(e,e' γ) p Run Sheet

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

Date: 23/09/22
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

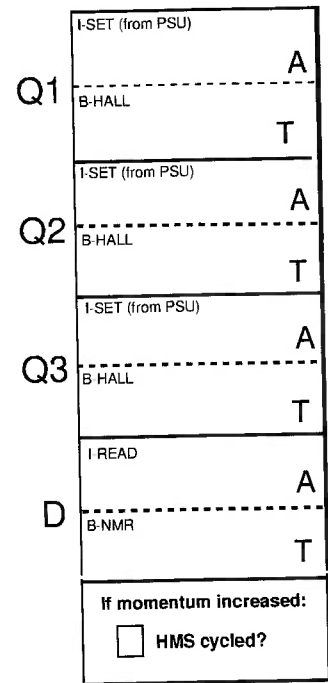
HMS

Configuration Name: _____

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

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
Size: _____



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

Beam position and angle on target:

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

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

Collimator: **HMS: Large**
 Sieve

Run Number: 1325	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> _____	PS1: _____ PS2: _____ PS3: 0 PS4: _____ PS5: _____ PS6: _____	Start time (from RC): 4:18 Stop time (from RC):	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
					COIN (T6) rate	e-γ evts:	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							
							Max NPS anode (μA)

Run Number: 1326	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> _____	PS1: _____ PS2: _____ PS3: 0 PS4: _____ PS5: _____ PS6: _____	Start time (from RC): 5:03 Stop time (from RC): 6:04	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
					COIN (T6) rate	e-γ evts:	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: sparsif.off(=0), 212k events, elastic, tr.500							
							Max NPS anode (μA)

Run Number: 1327	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> _____	PS1: _____ PS2: _____ PS3: 0 PS4: _____ PS5: _____ PS6: _____	Start time (from RC): 6:05 Stop time (from RC): 6:18	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
					COIN (T6) rate	e-γ evts:	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: sparsification off(0), elastic, threshold 500,							
							Max NPS anode (μA)

Run Number: 1328	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
					COIN (T6) rate	e-γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: VLD Run, coin							
							Max NPS anode (μA)

p(e,e' γ) p Run Sheet

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

Date: 23/09/22
yy mm dd

Initials: YG

Use a separate sheet for each configuration.

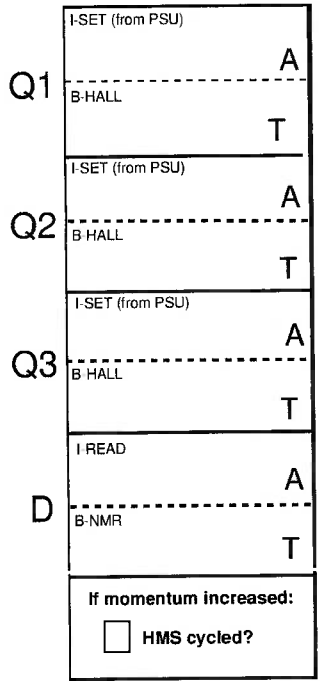
HMS

Configuration Name: _____

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam} : 10.340 GeV I_{beam} : _____ μA

Raster: On Off
 Size: _____



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

Beam position and angle on target:

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

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

Collimator: HMS: Large
 Sieve

Run Number: <u>1329</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input checked="" type="checkbox"/> <i>out of beam</i>	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate _____ COIN (T6) rate _____	Calo (T1) rate prescale pretrig: _____ e- γ evts: _____	COIN (T5) rate pretrig: _____ <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments: _____

Max NPS anode (μA) _____

Run Number: <u>1330</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input checked="" type="checkbox"/> <i>out of beam</i>	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate _____ COIN (T6) rate _____	Calo (T1) rate prescale pretrig: _____ e- γ evts: _____	COIN (T5) rate pretrig: _____ <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments: _____

Max NPS anode (μA) _____

Run Number: <u>1331</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input checked="" type="checkbox"/> <i>part of beam</i>	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate _____ COIN (T6) rate _____	Calo (T1) rate prescale pretrig: _____ e- γ evts: _____	COIN (T5) rate pretrig: _____ <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments: _____

Max NPS anode (μA) _____

Run Number: <u>1332</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input checked="" type="checkbox"/> <i>out of beam</i>	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): <u>04:05</u> Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate _____ COIN (T6) rate _____	Calo (T1) rate prescale pretrig: _____ e- γ evts: _____	COIN (T5) rate pretrig: _____ <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: _____

Max NPS anode (μA) _____

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

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

Date: 23/09/22
yy mm dd

Initials: MN

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Purpose:

- Production
 Test
 Optics
 Other: _____

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

Raster: On Off
 Size: 2x2

HMS
 p : \oplus 4.0872 $\theta(TV)$: 29.86
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.5</u>	mm	<u>0</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.5</u>	mm	<u>0</u> mm
Nomin:		Nomin:

SHMS
 $\theta(TV)$: 33.48
Nearest 0.005

NPS
 $\theta =$ **SHMS** 17.18
-16.30°
Nearest 0.005

Collimator: HMS: Large
 Sieve

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

Run Number: <u>1341</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>18:49</u> Stop time (from RC): <u>19:53</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Ros ROC 5 Error @ end of run

Max NPS anode (μA): 181

Run Number: <u>1342</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>19:58</u> Stop time (from RC): <u>20:55</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 232 k events

Max NPS anode (μA): 181

Run Number: <u>1343</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>21:00</u> Stop time (from RC): <u>21:08</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Sparsification = 1 / 20 k events

Max NPS anode (μA): 181

Run Number: <u>1342</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>22:33</u> Stop time (from RC): <u>22:53</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: ~ about 5 minutes of Data

Max NPS anode (μA): 181

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

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

Date: ___/___/___
yy mm dd

Initials: MM

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
NPS Elastic
Calibration

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam} : 10.53 GeV I_{beam} : 30 μA

Raster: On Off
Size: 2x2

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

HMS
 p : 4.0872 $\theta(TV)$: 29.86
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.5</u> mm	<u>0</u> mm	
Nomin:		Nomin:
3H07C	X	Y
<u>0.5</u> mm	<u>0</u> mm	
Nomin:		Nomin:

SHMS
 $\theta(TV)$: 33.48
Nearest 0.005

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

Collimator: HMS: Large Sieve

Run Number: 1345

<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>4</u> PS3: <u>0</u> PS4: <u>4</u> PS5: <u>4</u> PS6: <u>4</u>	Start time (from RC): <u>22:33</u> Stop time (from RC): _____	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: _____

Max NPS anode (μA): _____

Run Number: 1397

<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>0</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>21:39</u> Stop time (from RC): <u>21:55</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Contig: Coin-sparse LED run

Max NPS anode (μA): 68

Run Number: _____

<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: _____

Max NPS anode (μA): _____

Run Number: _____

<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
---	--	---	--	---------------------------------	---	--

Comments: _____

Max NPS anode (μA): _____

p(e,e'γ) p Run Sheet

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

Date: 23/9/23
yy mm dd

Initials: H.V.

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Purpose:
 Production
 Test
 Optics
 Other: _____

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

E_{beam}: 10.540 GeV **I_{beam}:** 30 μA

Raster: On Off
Size: _____

HMS 4.0872
p: +/- ~~29.86~~ 29.86 **θ(TV):** 29.86
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.492</u>	<u>mm</u>	<u>0.491</u>
Nomin:		Nomin:
3H07C	X	Y
<u>0.508</u>	<u>mm</u>	<u>-0.009</u>
Nomin:		Nomin:

SHMS **NPS**
θ(TV): 31.29 **θ = SHMS** 14.99
Nearest 0.005 -16.30° Nearest 0.005

Collimator: **HMS:** Large Sieve

Run Number: 1361 LH2 10cm PS1: - **Start time (from RC):** 5:11 Settings Verified? **HMS (T4) rate** 6.9 **Calo (T1) rate prescale pretrig:** 161K **COIN (T5) rate pretrig:** _____

LD2 10cm PS2: - **Stop time (from RC):** 5:16 HV OK? **COIN (T6) rate** _____ **e-γ evts:** _____ Data ok

Dummy 10cm PS3: 0 **Comments:** 1 chan HV is off 50k OK? Junk

Optics#1 8cm PS4: - **Max NPS anode (μA)** _____

C 0.5% r.l.l PS5: - _____

_____ PS6: - _____

Run Number: 1362 LH2 10cm PS1: - **Start time (from RC):** 05:17 Settings Verified? **HMS (T4) rate** _____ **Calo (T1) rate prescale pretrig:** _____ **COIN (T5) rate pretrig:** _____

LD2 10cm PS2: - **Stop time (from RC):** 5:44 HV OK? **COIN (T6) rate** _____ **e-γ evts:** _____ Data ok

Dummy 10cm PS3: 0 **Comments:** Short Run (Beam was ~15min 54k events) 50k OK? Junk

Optics#1 8cm PS4: - Hall Dipole Strings Dropped **Max NPS anode (μA)** _____

C 0.5% r.l.l PS5: - _____

_____ PS6: - _____

Run Number: 1363 LH2 10cm PS1: _____ **Start time (from RC):** _____ Settings Verified? **HMS (T4) rate** _____ **Calo (T1) rate prescale pretrig:** _____ **COIN (T5) rate pretrig:** _____

LD2 10cm PS2: _____ **Stop time (from RC):** _____ HV OK? **COIN (T6) rate** _____ **e-γ evts:** _____ Data ok

Dummy 10cm PS3: _____ **Comments:** _____ 50k OK? Junk

Optics#1 8cm PS4: _____ **Max NPS anode (μA)** _____

C 0.5% r.l.l PS5: _____ _____

_____ PS6: _____ _____

Run Number: 1364 LH2 10cm PS1: -1 **Start time (from RC):** 10:39 Settings Verified? **HMS (T4) rate** _____ **Calo (T1) rate prescale pretrig:** _____ **COIN (T5) rate pretrig:** _____

LD2 10cm PS2: 0 **Stop time (from RC):** 10:45 HV OK? **COIN (T6) rate** _____ **e-γ evts:** _____ Data ok

Dummy 10cm PS3: -1 **Comments:** LED run; NO BEAM 50k OK? Junk

Optics#1 8cm PS4: -1 **Max NPS anode (μA)** _____

C 0.5% r.l.l PS5: -1 _____

_____ PS6: -1 _____

p(e,e') p Run Sheet

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

Date: 13/09/23
yy mm dd

Initials: EF

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Purpose:

- Production
 Test
 Optics
 Other: _____

E_{beam}: 10.538 GeV **I_{beam}:** _____ μA

Raster: On Off
Size: _____

HMS 4.0872
p: +/- 2000 **θ(TV):** 29.86
From GUI Nearest 0.005

Beam position and angle on target:

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

SHMS **NPS**
θ(TV): 31.29 **θ = SHMS** 14.99
Nearest 0.005 -16.30° Nearest 0.005

Collimator: **HMS:** Large Sieve

Q1	I-SET (from PSU) <u>532.49</u> A
	B-HALL <u>-0.714</u> T
Q2	I-SET (from PSU) <u>423.38</u> A
	B-HALL <u>0.906</u> T
Q3	I-SET (from PSU) <u>205.85</u> A
	B-HALL <u>-0.417</u> T
D	I-READ <u>1256.83</u> A
	B-NMR <u>1.06335</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: <u>1365</u>	<input checked="" type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>0</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>10:46</u> Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: LED run; NO BEAM (target LH2...)

Max NPS anode (μA)

Run Number: <u>1360 1368 1367</u>	<input checked="" type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>0</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
---	---	---	---	--	---	---

Comments: LED runs, very short (target LH2)

Max NPS anode (μA)

Run Number: <u>1369</u>	<input checked="" type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>0</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>11:49</u> Stop time (from RC): <u>11:51</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: LED run (target LH2)

Max NPS anode (μA)

Run Number: <u>1370</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): <u>13:37</u> Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: LED run 13-29 DAE=45

Max NPS anode (μA)

p(e,e' γ) p Run Sheet

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

Date: / /
yy mm dd

Initials:

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Purpose:

- Production
 Test
 Optics
 Other: _____

E_{beam}: 10.538 GeV **I_{beam}:** 0 μ A

Raster: On Off
Size: _____

HMS
p: +/-29.86 **θ (TV):** 29.86
From GUI Nearest 0.005

Beam position and angle on target:

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

SHMS **NPS**
 θ (TV): 31.26 **θ = SHMS** 34.96
Nearest 0.005 -16.30° Nearest 0.005

Collimator: **HMS: Large Sieve**

Q1	I SET (from PSU) <u>532.469</u>	A
	B-HALL <u>-0.715</u>	T
Q2	I SET (from PSU) <u>423.38</u>	A
	B-HALL <u>0.906</u>	T
Q3	I-SET (from PSU) <u>205.84</u>	A
	B HALL <u>-0.417</u>	T
D	I-READ <u>1254.87</u>	A
	B NMR <u>1.17670</u>	T
If momentum increased: <input type="checkbox"/> HMS cycled?		

Run Number: 1397 LH2 10cm PS1: -1 **Start time (from RC):** 14:05 Settings Verified? **HMS (T4) rate** **Calo (T1) rate prescale pretrig:** **COIN (T5) rate pretrig:**

LD2 10cm PS2: 0 **Stop time (from RC):** 14:46 HV OK? **COIN (T6) rate** **e- γ evts:** Data ok

Dummy 10cm PS3: -1 50k OK? Junk

Optics#1 8cm PS4: -1 **Comments:** LED run

C 0.5% r.l. PS5: -1 **Max NPS anode (μ A)**

_____ PS6: -1

Run Number: 1397 LH2 10cm PS1: _____ **Start time (from RC):** 21:39 Settings Verified? **HMS (T4) rate** **Calo (T1) rate prescale pretrig:** **COIN (T5) rate pretrig:**

LD2 10cm PS2: _____ **Stop time (from RC):** 21:55 HV OK? **COIN (T6) rate** **e- γ evts:** Data ok

Dummy 10cm PS3: _____ 50k OK? Junk

Optics#1 8cm PS4: _____ **Comments:** LED Run

C 0.5% r.l. PS5: _____ **Max NPS anode (μ A)**

_____ PS6: _____

Run Number: 1409 LH2 10cm PS1: -1 **Start time (from RC):** 22:54:23 Settings Verified? **HMS (T4) rate** **Calo (T1) rate prescale pretrig:** **COIN (T5) rate pretrig:**

LD2 10cm PS2: -1 **Stop time (from RC):** 23:11:42 HV OK? **COIN (T6) rate** **e- γ evts:** 441 Data ok

Dummy 10cm PS3: 0 50k OK? Junk

Optics#1 8cm PS4: -1 **Comments:** Stopped early because MCC wanted to send tune beam. Rates weren't changing in run. Not sure how the CVT works.

C 0.5% r.l. PS5: -1 **Max NPS anode (μ A)**

_____ PS6: -1

Run Number: 1410 LH2 10cm PS1: -1 **Start time (from RC):** 23:14:13 Settings Verified? **HMS (T4) rate** **Calo (T1) rate prescale pretrig:** **COIN (T5) rate pretrig:**

LD2 10cm PS2: -1 **Stop time (from RC):** 23:31 HV OK? **COIN (T6) rate** **e- γ evts:** Data ok

Dummy 10cm PS3: 0 50k OK? Junk

Optics#1 8cm PS4: -1 **Comments:**

C 0.5% r.l. PS5: -1 **Max NPS anode (μ A)**

_____ PS6: -1

p(e,e' γ) p Run Sheet

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

Date: 23/09/24
yy mm dd

Initials: DA

Use a separate sheet for each configuration.

HMS

Configuration Name: Coin
Proton Polarity

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam} : 10.540 GeV I_{beam} : 30 μ A

Raster: On Off
Size: 2x2 mm

Q1	I-SET (from PSU) <u>532.49</u> A
	B-HALL <u>-0.715</u> T
Q2	I-SET (from PSU) <u>423.38</u> A
	B-HALL <u>0.906</u> T
Q3	I-SET (from PSU) <u>205.84</u> A
	B-HALL <u>-0.417</u> T
D	I-READ <u>1254.87</u> A
	B-NMR <u>1.17670</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

HMS
 p : +/- 4.087 θ (TV): 24.86
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.50</u> mm		<u>-0.07</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.58</u> mm		<u>-0.01</u> mm
Nomin:		Nomin:

SHMS
 θ (TV): 31.26
Nearest 0.005

NPS
 θ = SHMS 14.96
 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve

Run Number: <u>1411</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>23:35</u> Stop time (from RC): <u>23:36</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments: <u>Junk</u>							Max NPS anode (μ A)

Run Number: <u>1412</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>0-1</u> PS2: <u>0-1</u> PS3: <u>0</u> PS4: <u>0-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>23:37</u> Stop time (from RC): <u>23:48</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>Pre-scale GUI was reloaded during this run.</u>							Max NPS anode (μ A)

Run Number: <u>1413</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>23:44:10</u> Stop time (from RC): <u>00:49:36</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>90</u> COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>events: 225736</u>							Max NPS anode (μ A) <u>1.8</u>

Run Number: <u>1414</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>01:06:42</u> Stop time (from RC): <u>02:09:00</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate <u>90</u> COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>events: 291531</u>							Max NPS anode (μ A) <u>1.9</u>

p(e,e'γ) p Run Sheet

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

Date: 23/09/25
yy mm dd

Initials: YZ

Use a separate sheet for each configuration.

HMS

Configuration Name: coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 1.540 GeV **I_{beam}:** 30 μA

Raster: On Off
Size: 2x2 mm

HMS
p: +/- 4.0872 **θ(TV):** 29.86
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.522</u> mm		<u>-0.003</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.523</u> mm		<u>-0.0015</u> mm
Nomin:		Nomin:

SHMS
θ(TV): 32.28
Nearest 0.005

NPS
θ = SHMS 15.98
-16.30° Nearest 0.005

Collimator: **HMS:** Large Sieve

Q1	I-SET (from PSU)	<u>532.1</u>	A
	B-HALL	<u>-0.716</u>	T
Q2	I SET (from PSU)	<u>423.5</u>	A
	B-HALL	<u>0.903</u>	T
Q3	I-SET (from PSU)	<u>205.5</u>	A
	B-HALL	<u>-0.417</u>	T
D	I-READ	<u>1253.6</u>	A
	B-NMR	<u>1.045</u>	T

If momentum increased:
 HMS cycled?

Run Number: <u>1415</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy#10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% rl.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>02:20:18</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>90</u>	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
Comments:			Stop time (from RC): <u>03:45:13</u>		COIN (T6) rate	e-γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

events: 320097

Max NPS anode (μA)
1.86

Run Number: <u>1416</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% rl.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>03:47:16</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>90</u>	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
Comments:			Stop time (from RC): <u>04:33:20</u>		COIN (T6) rate	e-γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

events: 218274

Max NPS anode (μA)
1.9

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% rl.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
Comments:			Stop time (from RC):		COIN (T6) rate	e-γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Max NPS anode (μA)

Run Number: <u>1417</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% rl.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
Comments:			Stop time (from RC):		COIN (T6) rate	e-γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Max NPS anode (μA)

p(e,e'γ) p Run Sheet

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

Date: 23/09/25
yy mm dd

Initials: YZ

Use a separate sheet for each configuration.

HMS

Configuration Name: coin

Purpose:
 Production
 Test
 Optics
 Other: Elastic

E_{beam}: 10540 GeV **I_{beam}:** 30 μA

Raster: On Off
Size: 2x2 mm

HMS
p: +/- 4.0872 **θ(TV):** 29.86
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.52</u> mm		<u>-0</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.52</u> mm		<u>0</u> mm
Nomin:		Nomin:

SHMS
θ(TV): 33.48
Nearest 0.005

NPS
θ = SHMS 17.18
-16.30° Nearest 0.005

Collimator: **HMS:** Large Sieve

Q1	I-SET (from PSU) <u>532.1</u> A
	B-HALL <u>-0.716</u> T
Q2	I-SET (from PSU) <u>423.5</u> A
	B-HALL <u>0.903</u> T
Q3	I-SET (from PSU) <u>205.5</u> A
	B-HALL <u>-0.417</u> T
D	I-READ <u>1253.6</u> A
	B-NMR <u>1.045</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: 1417

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

Start time (from RC): 05:26:20 Settings Verified?
Stop time (from RC): 06:27:47 HV OK?
 50k OK?

HMS (T3) rate: 85 **Calo (T1) rate prescale pretrig:**
COIN (T6) rate: **e-γ evts:**
 Data ok
 Junk

Comments: events: 240096 **Max NPS anode (μA)**

Run Number: 1418

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

Start time (from RC): 06:29:07 Settings Verified?
Stop time (from RC): 07:46:56 HV OK?
 50k OK?

HMS (T3) rate: 85 **Calo (T1) rate prescale pretrig:**
COIN (T6) rate: **e-γ evts:**
 Data ok
 Junk

Comments: events: 242100 **Max NPS anode (μA)**

Run Number:

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

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

HMS (T4) rate: **Calo (T1) rate prescale pretrig:**
COIN (T6) rate: **e-γ evts:**
 Data ok
 Junk

Comments: **Max NPS anode (μA)**

Run Number:

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

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

HMS (T4) rate: **Calo (T1) rate prescale pretrig:**
COIN (T6) rate: **e-γ evts:**
 Data ok
 Junk

Comments: **Max NPS anode (μA)**

p(e,e' γ) p Run Sheet

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

Date: 23 09 25
yy mm dd

Initials: CEH

Use a separate sheet for each configuration.

HMS

Configuration Name:
Elastic 9-Pass

Purpose:
 Production
 Test
 Optics
 Other: Elastic

E_{beam} : 10.533 GeV I_{beam} : 30 μ A

Raster: On Off
Size: 2 mm

HMS 4.0872 GeV
 p : +/- 29.86 θ (TV): 29.86
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	<u>1.49</u> mm	<u>-0.0038</u> mm
Nomin:			
3H07C	X	<u>0.513</u> mm	<u>0.002</u> mm
Nomin:	Y		

SHMS θ (TV): 32.28
Nearest 0.005

NPS θ = SHMS 15.98
-16.30°
Nearest 0.005

Collimator: HMS: Large Sieve

Q1	I-SET (from PSU) <u>-532.1</u>	A
	B-HALL <u>-0.716</u>	T
Q2	I-SET (from PSU) <u>423.5</u>	A
	B-HALL <u>0.904</u>	T
Q3	I-SET (from PSU) <u>-205.7</u>	A
	B-HALL <u>-0.416</u>	T
D	I-READ <u>1253.6</u>	A
	B-NMR <u>11287</u>	T

locked?

If momentum increased:
 HMS cycled?

Run Number: <u>3419</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>08:02:52</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>79.8</u>	Calo (T1) rate prescale pretrig: <u>2MHz</u>	COIN (T5) rate pretrig: <u>30</u>
Comments:			Stop time (from RC): <u>09:11:28</u>		COIN (T6) rate <u>3</u>	e-γ evts:	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

SHMS 32.27 has "3rd" hour
 50k replay reported helicity error at 4500 (281,531 events)

Max NPS anode (μ A) 1.5 μ A Full Relay

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
Comments:			Stop time (from RC):		COIN (T6) rate	e-γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Max NPS anode (μ A)

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
Comments:			Stop time (from RC):		COIN (T6) rate	e-γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Max NPS anode (μ A)

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
Comments:			Stop time (from RC):		COIN (T6) rate	e-γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Max NPS anode (μ A)

p(e,e' γ)p Run Sheet

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

Date: 23 09 25
yy mm dd

Initials: CEH

Use a separate sheet for each configuration.

HMS

Configuration Name:
Elastic 5-pup
SHMS 31.19°

Purpose:
 Production
 Test
 Optics
 Other: elastic

Q1	I-SET (from PSU) - 9713 A B-HALL - 532.5 T
Q2	I-SET (from PSU) - 423.38 A B-HALL 0.90639 T
Q3	I-SET (from PSU) - 205.85 A B-HALL - 0.42037 T
D	I-READ 1254.90 A B-NMR 1.119 T

If momentum increased:
 HMS cycled?

E_{beam}: 10.533 GeV **I_{beam}:** 30 μ A

Raster: On Off
Size: 2 x 2 mm

HMS
p: 0.40872 **θ (TV):** 29.844
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.5</u> mm		<u>-0.00</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.49</u> mm		<u>-4.00</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): 31.20 **θ = SHMS** 14.9
Nearest 0.005 -16.30° Nearest 0.005

Collimator: **HMS:** Large Sieve

Run Number: <u>1420</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>09:19:36</u> Stop time (from RC): <u>10:28:37</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>1890</u> COIN (T6) rate <u>24 Hz</u>	Calo (T1) rate prescale <u>1.8 MHz</u> e-γ evts:	COIN (T5) rate pretrig: <u>24 Hz</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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SHMS 31.19 GUI 308.7 K events **Max NPS anode (μ A)**
2.0 μ A

Run Number: <u>1421</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>10:30:01</u> Stop time (from RC): <u>11:45</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate <u>13 93 Hz</u> COIN (T6) rate	Calo (T1) rate prescale <u>1.9 E6</u> e-γ evts:	COIN (T5) rate pretrig: <u>20</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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SHMS 31.19 GUI 342.2 K events **Max NPS anode (μ A)**
1.3 μ A

Run Number: <u>1422</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>12:03</u> Stop time (from RC): <u>13:19</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale e-γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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BCM Calibration 472K events EDTM = 100 SPARS = 1
FADC250-TET = 500 **Max NPS anode (μ A)**
0.5 μ A

Run Number: <u>1423</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): <u>13:49:48</u> Stop time (from RC): <u>14:06</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>87 Hz</u> COIN (T6) rate	Calo (T1) rate prescale <u>1.6 M</u> e-γ evts:	COIN (T5) rate pretrig: <u>23 Hz</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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TET = 50 SPARS = 1 UTP-ECALCLUSTER-CLUSTER TRIGGER TRIP
tiny change in T1 w run 1421 1000 **Max NPS anode (μ A)**
1.7 μ A

p(e,e' γ) p Run Sheet

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

Use a separate sheet for each configuration.

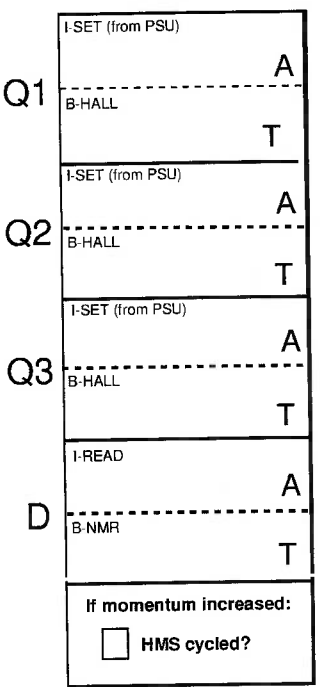
HMS

Configuration Name:
Elastic 5-pass
DT test

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam} : 10 GeV I_{beam} : 30 μ A

Raster: On Off
 Size: _____



HMS
 p : +/- _____ θ (TV): 29.86
From GUI Nearest 0.005

Beam position and angle on target:

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

SHMS
 θ (TV): 34.19
Nearest 0.005

NPS
 θ = SHMS
-16.30°
Nearest 0.005

Collimator: HMS: Large Sieve

Run Number: 1424
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.l.

PS1: 12 Start time (from RC): 14:01 Settings Verified?
 PS2: -1 Stop time (from RC): 14:06 HV OK?
 PS3: 0 50k OK?

HMS (T4) rate Calo (T1) rate prescale pretrig: COIN (T5) rate pretrig:
 COIN (T6) rate e- γ evts: Data ok
 Junk

Comments: PS1=12 rate ~ 800Hz 90K events

Max NPS anode (μ A)

Run Number: 1425
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.l.

PS1: 11 Start time (from RC): 14:07 Settings Verified?
 PS2: -1 Stop time (from RC): 14:10 HV OK?
 PS3: 0 50k OK?

HMS (T4) rate Calo (T1) rate prescale pretrig: COIN (T5) rate pretrig:
 COIN (T6) rate e- γ evts: Data ok
 Junk

Comments: PS1=11 Rate 2K? 113K

Max NPS anode (μ A)

Run Number: 1426
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.l.

PS1: 9 Start time (from RC): 14:11 Settings Verified?
 PS2: -1 Stop time (from RC): _____ HV OK?
 PS3: 0 50k OK?

HMS (T4) rate Calo (T1) rate prescale pretrig: COIN (T5) rate pretrig:
 COIN (T6) rate e- γ evts: Data ok
 Junk

Comments: PS1=9 5.8K/sec events DT live time 45% 10

Max NPS anode (μ A)

Run Number: 1427
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.l.

PS1: 9 Start time (from RC): 14:23 Settings Verified?
 PS2: -1 Stop time (from RC): 14:24 HV OK?
 PS3: 0 50k OK?

HMS (T4) rate Calo (T1) rate prescale pretrig: COIN (T5) rate pretrig:
 COIN (T6) rate e- γ evts: Data ok
 Junk

Comments: PS1=9

Max NPS anode (μ A)

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

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

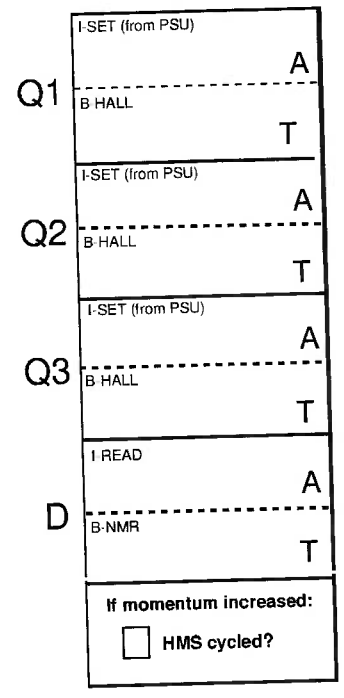
Date: / / Initials:
 yy mm dd

Use a separate sheet for each configuration.

HMS

Configuration Name:
Elastic 5 Pass

Purpose:
 Production
 Test
 Optics
 Other: _____



E_{beam} : 10.538 GeV I_{beam} : 30 μA

Raster: On Off
 Size: 2x2

HMS
 p : +/- _____ $\theta(TV)$: 29.86
From GUI Nearest 0.005

Beam position and angle on target:

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

SHMS **NPS**
 $\theta(TV)$: 31.19 $\theta =$ SHMS
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve

Run Number: <u>1428</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>10</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>7</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>14:25</u> Stop time (from RC): <u>14:36</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
Comments:					COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

DT study Dips in live time Event rate = 3kHz Data Rate = 200k/byte Max NPS anode (μA) 1.76

Run Number: <u>1429</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>11</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>14:39</u> Stop time (from RC): <u>14:44</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
Comments:					COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk

DT study Event Rate 1500/sec Beam Trip Data 100k/byte Max NPS anode (μA) 2 μA

Run Number: <u>1430</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>11</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>15:02</u> Stop time (from RC): _____	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
Comments:					COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk

DT Study Events 1500/sec dips in live time Data 100k/byte 980K event Max NPS anode (μA)

Run Number: <u>1431</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
Comments:					COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk

Max NPS anode (μA)

$p(e, e'\gamma) p$ 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:

HMS

Configuration Name: Elastic
DTC

Purpose:
 Production
 Test
 Optics
 Other:

Raster: On Off
 Size:

Q1	I-SET (from PSU)	<u>532.1</u>	A
	B HALL	<u>50.719</u>	T
Q2	I-SET (from PSU)	<u>423.5</u>	A
	B HALL	<u>0.9042</u>	T
Q3	I-SET (from PSU)	<u>205.4</u>	A
	B HALL	<u>-0.416</u>	T
D	I READ	<u>1253.6</u>	A
	B NMR	<u>1.0806</u>	T
If momentum increased: <input type="checkbox"/> HMS cycled?			

E_{beam} : 10.538 GeV I_{beam} : 30 μA

HMS
 p : +/- 4.0872 $\theta(TV)$: 29.86
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.5</u>	mm	<u>0.001</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.53</u>	mm	<u>-0.002</u> mm
Nomin:		Nomin:

SHMS **NPS**
 $\theta(TV)$: 31.19 θ = SHMS -16.30
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve

Run Number: <u>1432</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I	PS1: <u>11</u>	Start time (from RC): <u>15:02</u>	<input checked="" type="checkbox"/> Settings Verified?	HMS (T4) rate <u>90.9</u>	Calo (T1) rate prescale pretrig: <u>1.6M</u>	COIN (T5) rate pretrig: <u>26</u>
		PS2: <u>-1</u>	Stop time (from RC): <u>15:23</u>	<input checked="" type="checkbox"/> HV OK?	COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok
Comments:		PS3: <u>0</u>		<input type="checkbox"/> 50k OK?			<input type="checkbox"/> Junk

SPARS = 1 Events 1500/s dips in live time
 DT Study Data 100k By/s 980k events
 Max NPS anode (μA): 1.95

Run Number: <u>1433</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I	PS1: <u>12</u>	Start time (from RC): <u>15:30</u>	<input checked="" type="checkbox"/> Settings Verified?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
		PS2: <u>-1</u>	Stop time (from RC): <u>15:58</u>	<input checked="" type="checkbox"/> HV OK?	COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok
Comments:		PS3: <u>0</u>		<input type="checkbox"/> 50k OK?			<input type="checkbox"/> Junk

DT Study Event 780/s Live Time 100%
 SPARS = 1 data 60k By/s
 Max NPS anode (μA): 1.9

Run Number: <u>1434</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I	PS1: <u>-1</u>	Start time (from RC): <u>16:00</u>	<input checked="" type="checkbox"/> Settings Verified?	HMS (T4) rate <u>90</u>	Calo (T1) rate prescale pretrig: <u>1.6M</u>	COIN (T5) rate pretrig: <u>2712</u>
		PS2: <u>-1</u>	Stop time (from RC): <u>17:11</u>	<input checked="" type="checkbox"/> HV OK?	COIN (T6) rate	e- γ evts: <u>96k</u>	<input type="checkbox"/> Data ok
Comments:		PS3: <u>-1</u>		<input checked="" type="checkbox"/> 50k OK?			<input type="checkbox"/> Junk

Elastic with PS5 = 0
 Max NPS anode (μA): 1.6

Run Number: <u>1435</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I	PS1: <u>-1</u>	Start time (from RC): <u>17:14</u>	<input checked="" type="checkbox"/> Settings Verified?	HMS (T4) rate <u>88</u>	Calo (T1) rate prescale pretrig: <u>1.6M</u>	COIN (T5) rate pretrig: <u>28k</u>
		PS2: <u>-1</u>	Stop time (from RC): <u>18:15</u>	<input checked="" type="checkbox"/> HV OK?	COIN (T6) rate <u>0.7</u>	e- γ evts: <u>83k</u>	<input type="checkbox"/> Data ok
Comments:		PS3: <u>-1</u>		<input checked="" type="checkbox"/> 50k OK?			<input type="checkbox"/> Junk

Max NPS anode (μA): 2

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

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

Date: 23/01/25
yy mm dd

Initials DA

Use a separate sheet for each configuration.

HMS

Configuration Name: Second Pass NPS Elastic Calibration

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.538 GeV **I_{beam}:** 30 μ A

Raster: On Off
Size: 2x2 mm²

Q1	I-SET (from PSU) <u>532-1</u> A
	B-HALL <u>-0.719</u>
Q2	I-SET (from PSU) <u>423.55</u> A
	B-HALL <u>0.9042</u> T
Q3	I-SET (from PSU) <u>205.4</u> A
	B-HALL <u>-0.416</u> T
D	I-READ <u>1253.6</u> A
	B-NMR <u>1.0806</u> T

If momentum increased:
 HMS cycled?

HMS
p: +/- 4.0432 θ (TV): 29.86
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.5</u>	mm	<u>-0.008</u>
Nomin:		
3H07C	X	Y
<u>0.278</u>	mm	<u>-0.008</u>
Nomin:		

SHMS **NPS**
 θ (TV): 31-19 **θ = SHMS** 14.04
Nearest 0.005 -16.30° Nearest 0.005

Collimator: **HMS: Large Sieve**

Run Number: <u>1436</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I	PS1: <u>-1</u>	Start time (from RC): <u>17:14</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>0.3</u>	Calo (T1) rate prescale pretrig: <u>1.8M</u>	COIN (T5) rate pretrig: <u>32</u>
		PS2: <u>-1</u>			Stop time (from RC): <u>18:25</u>	COIN (T6) rate <u>2.5</u>	e-γ evts: <u>53</u>
Comments:		PS3: <u>0</u>					
		PS4: <u>-1</u>					
		PS5: <u>-1</u>					
		PS6: <u>-1</u>					

PS3 = 0, all others -1. CODA reset \rightarrow download \rightarrow prestart \rightarrow start. Stopped early due to multiple trips.

Max NPS anode (μ A)
2.5

Run Number: <u>1437</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I	PS1: <u>-1</u>	Start time (from RC): <u>19:47</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate <u>9.4</u>	Calo (T1) rate prescale pretrig: <u>1.8M</u>	COIN (T5) rate pretrig: <u>32</u>
		PS2: <u>-1</u>			Stop time (from RC): <u>20:58</u>	COIN (T6) rate <u>1.7</u>	e-γ evts: <u>304</u>
Comments:		PS3: <u>0</u>					
		PS4: <u>-1</u>					
		PS5: <u>-1</u>					
		PS6: <u>-1</u>					

Start new run after \approx 1 hr of no beam.

Max NPS anode (μ A)
2.5

Run Number: <u>1438</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I	PS1: _____	Start time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
		PS2: _____			Stop time (from RC):	COIN (T6) rate	e-γ evts:
Comments:		PS3: _____					
		PS4: _____					
		PS5: _____					
		PS6: _____					

Max NPS anode (μ A)

Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I	PS1: _____	Start time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
		PS2: _____			Stop time (from RC):	COIN (T6) rate	e-γ evts:
Comments:		PS3: _____					
		PS4: _____					
		PS5: _____					
		PS6: _____					

Max NPS anode (μ A)

p(e,e' γ) p Run Sheet

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

Date: 23.09.25
yy mm dd

Initials: DA

Use a separate sheet for each configuration.

HMS

Configuration Name: Second
Puss NPS Elastic
Calibration

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.538 **SeV** **I_{beam}:** 30 **μ A**

Raster: On Off
Size: 2x2 mm²

Q1	I-SET (from PSU)	<u>532.49</u> ----- A
	B-HALL	<u>-0.719</u> T
Q2	I-SET (from PSU)	<u>423.38</u> ----- A
	B-HALL	<u>0.906</u> T
Q3	I-SET (from PSU)	<u>205.85</u> ----- A
	B-HALL	<u>-0.42</u> T
D	I-READ	<u>1254.10</u> ----- A
	B-NMR	<u>1.059</u> T

If momentum increased:
 HMS cycled?

HMS
p: +/- 4.0832 **θ (TV):** 29.26
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.5</u>	mm	<u>-0.001</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.5</u>	mm	<u>-0.01</u> mm
Nomin:		Nomin:

SHMS
 θ (TV): 32.28
Nearest 0.005

NPS
 θ = SHMS 15.98
-16.30° Nearest 0.005

Collimator: **HMS: Large**
Sieve

Run Number: 1A38

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

PS1: 0 -1 **Start time (from RC):** 21:05
PS2: 0 -1 **Stop time (from RC):** 22:20
PS3: 0
PS4: -1
PS5: =1
PS6: =1

Settings Verified?
 HV OK?
 50k OK?

HMS (T4) rate: 81
Calo (T1) rate prescale pretrig: 1.7M
COIN (T5) rate pretrig: 34

COIN (T6) rate: 2.5
e- γ evts: 330
 Data ok
 Junk

Comments: PS3 = 0, other +1, SHMS = 32.28

Max NPS anode (μ A): 2.2

Run Number: _____

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

PS1: _____ **Start time (from RC):** _____
PS2: _____ **Stop time (from RC):** _____
PS3: _____
PS4: _____
PS5: _____
PS6: _____

Settings Verified?
 HV OK?
 50k OK?

HMS (T4) rate: _____
Calo (T1) rate prescale pretrig: _____
COIN (T5) rate pretrig: _____

COIN (T6) rate: _____
e- γ evts: _____
 Data ok
 Junk

Comments: _____

Max NPS anode (μ A): _____

Run Number: _____

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

PS1: _____ **Start time (from RC):** _____
PS2: _____ **Stop time (from RC):** _____
PS3: _____
PS4: _____
PS5: _____
PS6: _____

Settings Verified?
 HV OK?
 50k OK?

HMS (T4) rate: _____
Calo (T1) rate prescale pretrig: _____
COIN (T5) rate pretrig: _____

COIN (T6) rate: _____
e- γ evts: _____
 Data ok
 Junk

Comments: _____

Max NPS anode (μ A): _____

Run Number: _____

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

PS1: _____ **Start time (from RC):** _____
PS2: _____ **Stop time (from RC):** _____
PS3: _____
PS4: _____
PS5: _____
PS6: _____

Settings Verified?
 HV OK?
 50k OK?

HMS (T4) rate: _____
Calo (T1) rate prescale pretrig: _____
COIN (T5) rate pretrig: _____

COIN (T6) rate: _____
e- γ evts: _____
 Data ok
 Junk

Comments: _____

Max NPS anode (μ A): _____

p(e,e' γ) p Run Sheet

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

Use a separate sheet for each configuration.

Date: 23/09/25
yy mm dd

Initials: DA

HMS

Configuration Name: Second
max NPS elastic
Calibration

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.538 GeV

I_{beam}: 30 μ A

Raster: On Off
Size: 2x2 mm²

Beam position and angle on target:

3H07A	X	Y
<u>1.5</u>	mm	<u>0.01</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.53</u>	mm	<u>0.007</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU)	<u>532.48</u>	A
	B-HALL	<u>-0.7220</u>	T
Q2	I-SET (from PSU)	<u>423.38</u>	A
	B-HALL	<u>0.90307</u>	T
Q3	I-SET (from PSU)	<u>205.85</u>	A
	B-HALL	<u>-0.41675</u>	T
D	I-READ	<u>1254.87</u>	A
	B-NMR	<u>1.15577</u>	T
If momentum increased: <input type="checkbox"/> HMS cycled?			

HMS

p: +/- 4.0832 θ (TV): 29.86
From GUI Nearest 0.005

SHMS

θ (TV): 33.48
Nearest 0.005

NPS

θ = SHMS 17.18
-16.30
Nearest 0.005

Collimator:

HMS: Large
Sieve

Run Number:

1439

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

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

Start time (from RC):

22:25

Stop time (from RC):

23:37

Settings Verified?

HV OK?

50k OK?

HMS (T4) rate

89

COIN (T6) rate

27

Calo (T1) rate prescale

pretrig: 1.6M

e- γ evts:

319

COIN (T5) rate pretrig: 26

Data ok

Junk

Comments:

PS3=0, SHMS angle = 33.48 deg.

Max NPS anode (μ A)

1.5

Run Number:

1420

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

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

Start time (from RC):

23:38

Stop time (from RC):

1:20

Settings Verified?

HV OK?

50k OK?

HMS (T4) rate

84

COIN (T6) rate

25

Calo (T1) rate prescale

pretrig: 1.6M

e- γ evts:

340

COIN (T5) rate pretrig: 30

Data ok

Junk

Comments:

PS3=0, SHMS angle = 33.48 deg

Max NPS anode (μ A)

1.75

Run Number:

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

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

Start time (from RC):

Stop time (from RC):

Settings Verified?

HV OK?

50k OK?

HMS (T4) rate

COIN (T6) rate

Calo (T1) rate prescale

pretrig:

e- γ evts:

COIN (T5) rate pretrig:

Data ok

Junk

Comments:

Max NPS anode (μ A)

Run Number:

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

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

Start time (from RC):

Stop time (from RC):

Settings Verified?

HV OK?

50k OK?

HMS (T4) rate

COIN (T6) rate

Calo (T1) rate prescale

pretrig:

e- γ evts:

COIN (T5) rate pretrig:

Data ok

Junk

Comments:

Max NPS anode (μ A)

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: 9/14/73
yy mm dd

Initials: Z.H

23 9 HMS

Configuration Name:
NPS elastic calibration
Second pass

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
Size: 2x2

E_{beam}: 10.540 GeV **I_{beam}:** 30 μ A

HMS
p: +/- 4.0832 θ (TV): 29.86
From GUI Nearest 0.005

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

Collimator: **HMS:** Large Sieve

Beam position and angle on target:

3H07A	X	Y
<u>1.507</u> mm		<u>-0.016</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.504</u> mm		<u>-0.006</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU) <u>0.71550</u> A
	B-HALL <u>-0.72/30</u> T
Q2	I-SET (from PSU) <u>423.38</u> A
	B-HALL <u>0.90282</u> T
Q3	I-SET (from PSU) <u>205.84</u> A
	B-HALL <u>-0.42065</u> T
D	I-READ <u>1254.87</u> A
	B-NMR <u>1.06862</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: 1441

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

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

Start time (from RC): 1:36
Stop time (from RC): 2:15

Settings Verified?
 HV OK?
 50k OK?

HMS (T4) rate: 4.1
Calo (T1) rate prescale pretrig: 1.09106
COIN (T5) rate pretrig: 33.

COIN (T6) rate: 1.7
e- γ evts: 148
 Data ok
 Junk

Comments:

Max NPS anode (μ A): 1.94

Run Number:

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

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

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

Settings Verified?
 HV OK?
 50k OK?

HMS (T4) rate:
Calo (T1) rate prescale pretrig:
COIN (T5) rate pretrig:

COIN (T6) rate:
e- γ evts:
 Data ok
 Junk

Comments:

Max NPS anode (μ A):

Run Number:

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

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

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

Settings Verified?
 HV OK?
 50k OK?

HMS (T4) rate:
Calo (T1) rate prescale pretrig:
COIN (T5) rate pretrig:

COIN (T6) rate:
e- γ evts:
 Data ok
 Junk

Comments:

Max NPS anode (μ A):

Run Number:

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

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

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

Settings Verified?
 HV OK?
 50k OK?

HMS (T4) rate:
Calo (T1) rate prescale pretrig:
COIN (T5) rate pretrig:

COIN (T6) rate:
e- γ evts:
 Data ok
 Junk

Comments:

Max NPS anode (μ A):

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: ~~7-26-05~~
yy mm dd
23 9 HMS

Initials: Z.H.

Configuration Name:
NPS elastic calibration
second pass

Purpose:
 Production
 Test
 Optics
 Other: _____
Raster: On Off
Size: 7x2

E_{beam}: 10540 GeV **I_{beam}:** 30 μ A

HMS
p: +/- 4.0832 θ (TV): 29.86
From GUI Nearest 0.005

SHMS **NPS**
 θ (TV): 31.19 **θ = SHMS** 14.89
Nearest 0.005 Nearest 0.005
-16.30°

Collimator: HMS: Large Sieve

Beam position and angle on target:

3H07A	X	0.012	Y
1.521	mm		mm
Nomin:		Nomin:	
3H07C	X	0.006	Y
0.515	mm		mm
Nomin:		Nomin:	

I-SET (from PSU)	532.09	A
Q1 B-HALL	-0.72240	T
I-SET (from PSU)	423.38	A
Q2 B-HALL	0.90422	T
I-SET (from PSU)	205.85	A
Q3 B-HALL	-0.41701	T
I-READ	1254.90	A
D B-NMR	6.11898	T
If momentum increased: <input type="checkbox"/> HMS cycled?		

Run Number: 1442	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: -1	Start time (from RC): 02:32	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate 5-2	Calo (T1) rate prescale pretrig: 1.7840	COIN (T5) rate pretrig: 29.6	
		PS2: -1			Stop time (from RC): 3:18	COIN (T6) rate 2	e- γ evts: 170	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (μ A) 2.55	

Run Number: 1443	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: _____	Start time (from RC): 3:34	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:	
		PS2: 0			Stop time (from RC):	COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: NPS WSMIRS run spar = 0. WT2 = 0.							Max NPS anode (μ A)	

Run Number: 1444	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: _____	Start time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:	
		PS2: _____			Stop time (from RC):	COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments:							Max NPS anode (μ A)	

Run Number: 1445	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: _____	Start time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:	
		PS2: _____			Stop time (from RC):	COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: Test. DAG Blacklevel 5 EDTH 7KHz							Max NPS anode (μ A)	

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

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

Use a separate sheet for each configuration.

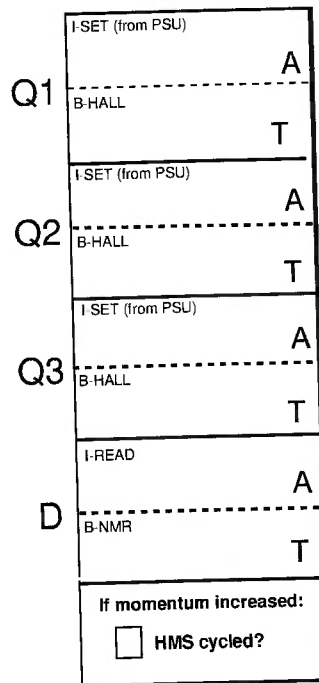
Date: / /
yy mm dd

Initials:

HMS

Configuration Name: _____

Purpose:
 Production
 Test
 Optics
 Other: _____



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

Raster: On Off
Size: _____

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

Beam position and angle on target:

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

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

Collimator: HMS: Large Sieve

Run Number: 1446
 LH2 10cm PS1: _____ Start time (from RC): _____
 LD2 10cm PS2: _____ Settings Verified?
 Dummy 10cm PS3: _____ Stop time (from RC): _____ HV OK?
 Optics#1 8cm PS4: _____ 50k OK?
 C 0.5% r.l.l PS5: _____ HMS (T4) rate Calo (T1) rate prescale pretrig: COIN (T5) rate pretrig:
 ~~PS6~~ PS6: _____ COIN (T6) rate $e\text{-}\gamma$ evts: Data ok
 Comments: _____ Junk
 Max NPS anode (μA)

Junk test start of run.

Run Number: 1447
 LH2 10cm PS1: _____ Start time (from RC): _____
 LD2 10cm PS2: _____ Settings Verified?
 Dummy 10cm PS3: _____ Stop time (from RC): _____ HV OK?
 Optics#1 8cm PS4: _____ 50k OK?
 C 0.5% r.l.l PS5: _____ HMS (T4) rate Calo (T1) rate prescale pretrig: COIN (T5) rate pretrig:
 _____ PS6: _____ COIN (T6) rate $e\text{-}\gamma$ evts: Data ok
 Comments: _____ Junk
 Max NPS anode (μA)

Junk.

Run Number: 1448
 LH2 10cm PS1: _____ Start time (from RC): _____
 LD2 10cm PS2: _____ Settings Verified?
 Dummy 10cm PS3: _____ Stop time (from RC): _____ HV OK?
 Optics#1 8cm PS4: _____ 50k OK?
 C 0.5% r.l.l PS5: _____ HMS (T4) rate Calo (T1) rate prescale pretrig: COIN (T5) rate pretrig:
 _____ PS6: _____ COIN (T6) rate $e\text{-}\gamma$ evts: Data ok
 Comments: _____ Junk
 Max NPS anode (μA)

Junk.

Run Number: 1449
 LH2 10cm PS1: _____ Start time (from RC): _____
 LD2 10cm PS2: _____ Settings Verified?
 Dummy 10cm PS3: _____ Stop time (from RC): _____ HV OK?
 Optics#1 8cm PS4: _____ 50k OK?
 C 0.5% r.l.l PS5: _____ HMS (T4) rate Calo (T1) rate prescale pretrig: COIN (T5) rate pretrig:
 _____ PS6: _____ COIN (T6) rate $e\text{-}\gamma$ evts: Data ok
 Comments: _____ Junk
 Max NPS anode (μA)

Junk

$p(e, e'\gamma) p$ 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:

HMS

Configuration Name: _____

Purpose:
 Production
 Test
 Optics
 Other: _____

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

Raster: On Off
Size: _____

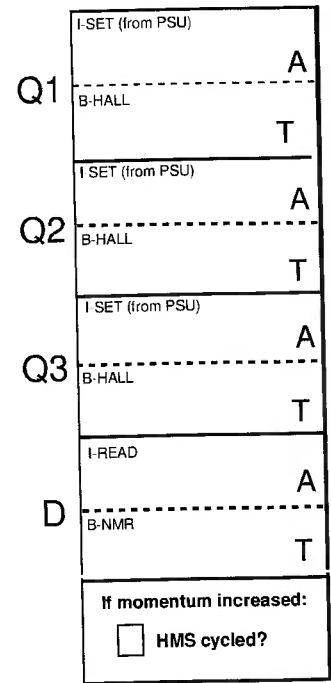
HMS
p: +/- _____ **θ (TV):** _____
From GUI Nearest 0.005

Beam position and angle on target:

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

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

Collimator: **HMS:** Large
 Sieve



Run Number: 1450
 LH2 10cm PS1: _____ **Start time (from RC):** _____ Settings Verified?
 LD2 10cm PS2: _____ **Stop time (from RC):** _____ HV OK?
 Dummy 10cm PS3: _____ **HMS (T4) rate** _____ **Calo (T1) rate** _____
 Optics#1 8cm PS4: _____ **COIN (T6) rate** _____ **prescale** _____
 C 0.5% r.l.l PS5: _____ **e- γ evts:** _____ **COIN (T5) rate** _____
 _____ PS6: _____ Data ok
 _____ **Comments:** Junk Junk
 Max NPS anode (μ A) _____

Run Number: 1452
 LH2 10cm PS1: -1 **Start time (from RC):** _____ Settings Verified?
 LD2 10cm PS2: -1 **Stop time (from RC):** _____ HV OK?
 Dummy 10cm PS3: 0 **HMS (T4) rate** _____ **Calo (T1) rate** _____
 Optics#1 8cm PS4: -1 **COIN (T6) rate** _____ **prescale** _____
 C 0.5% r.l.l PS5: -1 **e- γ evts:** _____ **COIN (T5) rate** _____
 _____ PS6: -1 Data ok
 _____ **Comments:** Cosmics w/ NPS-COSMICS-SCINT Junk
 Max NPS anode (μ A) _____

Run Number: 1454
 LH2 10cm PS1: -1 **Start time (from RC):** _____ Settings Verified?
 LD2 10cm PS2: 0 **Stop time (from RC):** _____ HV OK?
 Dummy 10cm PS3: -1 **HMS (T4) rate** _____ **Calo (T1) rate** _____
 Optics#1 8cm PS4: -1 **COIN (T6) rate** _____ **prescale** _____
 C 0.5% r.l.l PS5: -1 **e- γ evts:** _____ **COIN (T5) rate** _____
 _____ PS6: -1 Data ok
 _____ **Comments:** Cosmics w/ NPS-COSMICS-SCINT Junk
 Max NPS anode (μ A) _____

Run Number: _____
 LH2 10cm PS1: _____ **Start time (from RC):** _____ Settings Verified?
 LD2 10cm PS2: _____ **Stop time (from RC):** _____ HV OK?
 Dummy 10cm PS3: _____ **HMS (T4) rate** _____ **Calo (T1) rate** _____
 Optics#1 8cm PS4: _____ **COIN (T6) rate** _____ **prescale** _____
 C 0.5% r.l.l PS5: _____ **e- γ evts:** _____ **COIN (T5) rate** _____
 _____ PS6: _____ Data ok
 _____ **Comments:** _____ Junk
 Max NPS anode (μ A) _____

p(e,e' γ) p Run Sheet

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

Date: 23/10/03
yy mm dd

Initials: ZH

Use a separate sheet for each configuration.

HMS

Configuration Name:
KINC-X50-2

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV **I_{beam}:** 30 μ A

Raster: On Off
Size: 2x2

I-SET (from PSU)	874.41	A
Q1 B-HALL	1.1607	T
I SET (from PSU)	718.36	A
Q2 B-HALL	-1.38351	T
I SET (from PSU)	335.98	A
Q3 B-HALL	0.67685	T
I READ	2331.33	A
D B-NMR	1.8538	T
If momentum increased: <input checked="" type="checkbox"/> HMS cycled?		

HMS
p: +/- -0.06 θ (TV): 12.49
From GUI Nearest 0.005

Beam position and angle on target:

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

SHMS
 θ (TV): 26.88
Nearest 0.005

NPS
 θ = SHMS 20.58
-16.30° Nearest 0.005

Collimator: **HMS:** Large Sieve

Run Number: <u>1572</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>06:07</u> Stop time (from RC): <u>06:29</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>8272</u> COIN (T6) rate <u>3105</u>	Calo (T1) rate prescale pretrig: <u>1.8x10⁶</u> e-γ evts: <u>163793</u>	COIN (T5) rate pretrig: <u>3740</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: EDM=60Hz, sparse on, sweeper = KINC-X50-2 (MCC called they didn't do the ICC)							
							Max NPS anode (μA) <u>3.14</u>

Run Number: <u>1573</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): Stop time (from RC): 	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate 	Calo (T1) rate prescale pretrig: e-γ evts: 	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
Comments: EDM=60Hz, sparse on, sweeper on Junk							
							Max NPS anode (μA)

Run Number: <u>1574</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>06:56</u> Stop time (from RC): <u>07:34</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>12550</u> COIN (T6) rate <u>4257</u>	Calo (T1) rate prescale pretrig: <u>1.7x10⁶</u> e-γ evts: <u>6000K</u>	COIN (T5) rate pretrig: <u>4896</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: same $\uparrow\uparrow\uparrow$							
							Max NPS anode (μA) <u>4.6</u>

Run Number: <u>1575</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I <input type="checkbox"/> _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: <u>0</u> PS6: _____	Start time (from RC): <u>07:36</u> Stop time (from RC): <u>07:59</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>8160</u> COIN (T6) rate <u>3169</u>	Calo (T1) rate prescale pretrig: <u>1.8x10⁶</u> e-γ evts: <u>4470144</u>	COIN (T5) rate pretrig: <u>3709</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: same $\uparrow\uparrow\uparrow$							
							Max NPS anode (μA) <u>3.27</u>

p(e,e'γ) p Run Sheet

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

Date: / / Initials:
 yy mm dd

Use a separate sheet for each configuration.

HMS

Configuration Name: 1574C-750-2

Purpose:
 Production
 Test
 Optics
 Other:

E_{beam} : 10.539 GeV I_{beam} : 20 μ A

Raster: On Off
Size: 2x2

HMS
 p : +0.667 $\theta(TV)$: 12.493
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.505</u> mm		<u>0.023</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.502</u> mm		<u>0.017</u> mm
Nomin:		Nomin:

SHMS
 $\theta(TV)$: 36.88
Nearest 0.005

NPS
 $\theta =$ **SHMS** 20.58
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve

Q1	I-SET (from PSU)	<u>874.43</u>	A
	B-HALL	<u>1.16040</u>	T
Q2	I-SET (from PSU)	<u>718.35</u>	A
	B-HALL	<u>-1.38268</u>	T
Q3	I-SET (from PSU)	<u>335.96</u>	A
	B-HALL	<u>0.67678</u>	T
D	I-READ	<u>2331.33</u>	A
	B-NMR	<u>1.85381</u>	T
If momentum increased: <input type="checkbox"/> HMS cycled?			

Run Number: 1576 LH2 10cm PS1: -1 **Start time (from RC):** 8:06:06 Settings Verified? HMS (T4) rate: 8198 Calo (T1) rate prescale: 1.2x10⁶ COIN (T5) rate pretrig: 2479.9

LD2 10cm PS2: -1 **Stop time (from RC):** 08:35:45 HV OK? COIN (T6) rate: 2081.2 e-γ evts: 4069699 Data ok

Dummy 10cm PS3: -1 **Comments:** Increased pair_thr = 500 READOUT_THR = 300 (sparse ON sweeper ON) Junk

Optics#1 8cm PS4: -1 CLUSTER_THR = 1500 Event Rate 2.5 kHz Max NPS anode (μA)

C 0.5% r.l. PS5: 0 50k OK?

 PS6: -1

Run Number: 1577 LH2 10cm PS1: -1 **Start time (from RC):** 08:38:42 Settings Verified? HMS (T4) rate: 8295.5 Calo (T1) rate prescale: 598119.4 COIN (T5) rate pretrig: 1371.7

LD2 10cm PS2: -1 **Stop time (from RC):** 09:09:03 HV OK? COIN (T6) rate: 1236.3 e-γ evts: 2201633 Data ok

Dummy 10cm PS3: -1 **Comments:** EDTM=60Hz sparse=ON, sweeper=ON, PAIR_THR=700 Junk

Optics#1 8cm PS4: -1 Max NPS anode (μA)

C 0.5% r.l. PS5: 0 50k OK?

 PS6: -1

Run Number: 1578 LH2 10cm PS1: -1 **Start time (from RC):** 09:11:11 Settings Verified? HMS (T4) rate: 7812.3 Calo (T1) rate prescale: 596829 COIN (T5) rate pretrig: 1411.1

LD2 10cm PS2: -1 **Stop time (from RC):** 10:13:10 HV OK? COIN (T6) rate: 1187.8 e-γ evts: 4789968 Data ok

Dummy 10cm PS3: -1 **Comments:** EDTM=60Hz sparse ON, sweeper ON, ... same ↑↑ Junk

Optics#1 8cm PS4: -1 Max NPS anode (μA)

C 0.5% r.l. PS5: 0 50k OK?

 PS6: -1

Run Number: 1576 LH2 10cm PS1: -1 **Start time (from RC):** 11:12:36 Settings Verified? HMS (T4) rate: 7095.9 Calo (T1) rate prescale: 635901.9 COIN (T5) rate pretrig: 1135.8

LD2 10cm PS2: -1 **Stop time (from RC):** 11:43:47 HV OK? COIN (T6) rate: 973.2 e-γ evts: 1934306 Data ok

Dummy 10cm PS3: -1 **Comments:** same ↑↑ Junk

Optics#1 8cm PS4: -1 Max NPS anode (μA)

C 0.5% r.l. PS5: 0 50k OK?

 PS6: -1

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

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

Date: 2023/10/3
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KinC-X50-2

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.540 GeV **I_{beam}:** 20 μ A

Raster: On Off
Size: 2x2

HMS
p: +0.667 **θ (TV):** _____
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.5183</u> mm		<u>0.011</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.499</u> mm		<u>-0.01</u> mm
Nomin:		Nomin:

SHMS
 θ (TV): 36.88
Nearest 0.005

NPS
 θ = SHMS 20.58
-16.30° Nearest 0.005

Collimator: **HMS:** Large Sieve

Q1	I-SET (from PSU) <u>874.43</u>	A
	B-HALL <u>1.16280</u>	T
Q2	I-SET (from PSU) <u>718.35</u>	A
	B-HALL <u>-1.38392</u>	T
Q3	I-SET (from PSU) <u>335.96</u>	A
	B-HALL <u>0.67947</u>	T
D	I-READ <u>2331.30</u>	A
	B-NMR <u>1.85380</u>	T
If momentum increased: <input type="checkbox"/> HMS cycled?		

Run Number: <u>1580</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>12:32:28</u> Stop time (from RC): <u>12:51:05</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>20045.3</u> COIN (T6) rate <u>7376.7</u>	Calo (T1) rate prescale pretrig: <u>1783158</u> e-γ evts: <u>3323353</u>	COIN (T5) rate pretrig: <u>8804.3</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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EDTM = 60 Hz, SPARSE = ON, SWEEPER = ON, 20 μ A

Max NPS anode (μ A)

Run Number: <u>1581</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>12:53:42</u> Stop time (from RC): <u>13:20 (not ended properly)</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>10054.5</u> COIN (T6) rate <u>2115.7</u>	Calo (T1) rate prescale pretrig: <u>1007906</u> e-γ evts:	COIN (T5) rate pretrig: <u>2651.2</u> <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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I_{Beam} = 10 μ A, EDTM = 60 Hz, SPARSE = ON, SWEEPER = ON

Max NPS anode (μ A)

Run Number: <u>1582</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>13:21:29</u> Stop time (from RC): <u>14:37:15</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>9996.5</u> COIN (T6) rate <u>2153.4</u>	Calo (T1) rate prescale pretrig: <u>1002610</u> e-γ evts: <u>7157446</u>	COIN (T5) rate pretrig: <u>2646</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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I_{beam} = 10 μ A, EDTM = 60 Hz, SPARSE = ON, SWEEPER = ON (lifetime ~100%)

Max NPS anode (μ A)

Run Number: <u>1583</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>14:40:50</u> Stop time (from RC): <u>14:58:22</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate <u>15165</u> COIN (T6) rate <u>4380</u>	Calo (T1) rate prescale pretrig: <u>1467844</u> e-γ evts: <u>3741088</u>	COIN (T5) rate pretrig: <u>5535</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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I_{beam} = 15 μ A, EDTM = 60 Hz, SPARSE = ON, SWEEPER = ON (lifetime ~75%)

Max NPS anode (μ A)

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

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

Date: 23/10/03
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KinC-X50-2

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.539 GeV **I_{beam}:** 15 μ A

Raster: On Off
Size: 2x2

Q1	I SET (from PSU) <u>874.41</u>	A
	B-HALL <u>1.16470</u>	T
Q2	I SET (from PSU) <u>718.35</u>	A
	B-HALL <u>-1.38480</u>	T
Q3	I-SET (from PSU) <u>335.96</u>	A
	B-HALL <u>0.67987</u>	T
D	I-READ <u>>331.33</u>	A
	B-NMR <u>1.85380</u>	T
If momentum increased: <input type="checkbox"/> HMS cycled?		

HMS
p: +06.667 **θ (TV):** 12.493
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.507</u> mm		<u>-0.019</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.507</u> mm		<u>-0.005</u> mm
Nomin:		Nomin:

SHMS
 θ (TV): 36.88
Nearest 0.005

NPS
 θ = SHMS 20.58
-16.30° Nearest 0.005

Collimator: **HMS: Large**
 Sieve

Run Number: <u>1584</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>15:05:18</u> Stop time (from RC): <u>15:59:37</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>15201.8</u> COIN (T6) rate <u>4651.6</u>	Calo (T1) rate prescale pretrig: <u>1494902</u> e-γ evts: <u>11340633</u>	COIN (T5) rate pretrig: <u>5681.1</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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I_{beam} = 15 μ A, EDTM = 60 Hz, SPARSE = ON, SWEEPER = ON, lifetime ~ 90%

Max NPS anode (μ A)

Run Number: <u>1585</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>5</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>16:14:07</u> Stop time (from RC): <u>16:47:12</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>24987</u> COIN (T6) rate <u>6887.8</u>	Calo (T1) rate prescale pretrig: <u>175e6</u> e-γ evts:	COIN (T5) rate pretrig: <u>9045</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Events: 1878690

Max NPS anode (μ A)

Run Number: <u>1586</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>5</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): Stop time (from RC): 	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate 	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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No Beam

Max NPS anode (μ A)

Run Number: <u>1587</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>0</u> PS6: <u>-1</u>	Start time (from RC): <u>18:07:06</u> Stop time (from RC): <u>18:24:23</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate 	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Max NPS anode (μ A)

p(e,e'γ) p Run Sheet

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

Date: / /
yy mm dd

Initials: YZ

Use a separate sheet for each configuration.

HMS

Configuration Name: KimC-x50-2

Purpose:
 Production
 Test
 Optics
 Other: _____

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

Raster: On Off
Size: _____

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

Beam position and angle on target:

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

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

Collimator: **HMS: Large**
 Sieve

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

Run Number: <u>1588</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>4</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>18:28:24</u> Stop time (from RC): <u>19:06:11</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>10127.7</u> COIN (T6) rate <u>1176.2</u>	Calo (T1) rate prescale <u>6.08e5</u> e-γ evts: <u>1414868</u>	COIN (T5) rate pretrig: <u>384.7</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (μA)

Run Number: <u>1589</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>19:10:23</u> Stop time (from RC): <u>20:05:47</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>14922.7</u> <u>745.7</u> COIN (T6) rate <u>2505</u>	Calo (T1) rate prescale <u>1e6</u> e-γ evts: <u>6553220</u>	COIN (T5) rate pretrig: <u>330</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (μA)

Run Number: <u>1590</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>20:07:40</u> Stop time (from RC): <u>21:04:56</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>14914</u> COIN (T6) rate <u>32739</u>	Calo (T1) rate prescale <u>1e6</u> e-γ evts: <u>5074776</u>	COIN (T5) rate pretrig: <u>3271</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (μA)

Run Number: <u>1591</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>21:06:23</u> Stop time (from RC): <u>22:08:50</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate 	Calo (T1) rate prescale e-γ evts: <u>6245130</u>	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:							Max NPS anode (μA)

p(e,e' γ) p Run Sheet

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

Date: ²³ 09/10/07
yy mm dd

Initials: JPC

Use a separate sheet for each configuration.

HMS

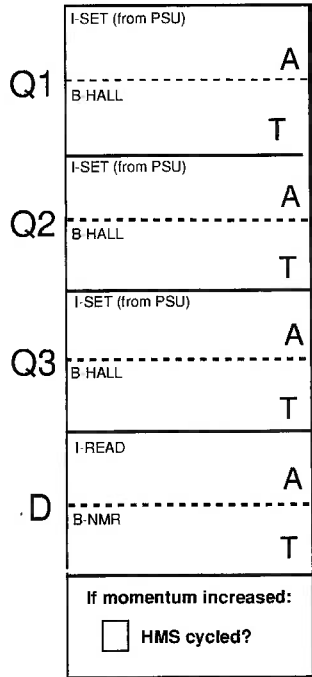
Configuration Name: _____

Purpose:

- Production
 Test
 Optics
 Other: _____

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

Raster: On Off
 Size: _____



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

Beam position and angle on target:

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

SHMS **NPS**
 $\theta(\text{TV})$: _____ $\theta = \text{SHMS}$
Nearest 0.005 **-16.30°** Nearest 0.005

Collimator: **HMS:** Large
 Sieve

Run Number: 1592
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: 4
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 _____ PS6: -1

Start time (from RC): _____ Settings Verified?
 HV OK?
 50k OK?

Stop time (from RC): _____

HMS (T4) rate **Calo (T1) rate** **COIN (T5) rate**
 prescale pretrig: pretrig:
e- γ evts: Data ok
 Junk

Comments: _____

Max NPS anode (μA)

Run Number: 1593
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: 4
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 _____ PS6: -1

Start time (from RC): 22:21:49 Settings Verified?
 HV OK?
 50k OK?

Stop time (from RC): 22:45:31

HMS (T4) rate **Calo (T1) rate** **COIN (T5) rate**
 prescale pretrig: pretrig:
e- γ evts: 1099585 Data ok
 Junk

Comments: _____

Max NPS anode (μA)

Run Number: 1594
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: 4
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 _____ PS6: -1

Start time (from RC): 00:40:20 Settings Verified?
 HV OK?
 50k OK?

Stop time (from RC): 01:05:01

HMS (T4) rate **Calo (T1) rate** **COIN (T5) rate**
 prescale pretrig: pretrig:
e- γ evts: 1176893 Data ok
 Junk

Comments: Repeat of 20 min Run on 1593.

Max NPS anode (μA)

Run Number: 1595
 LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 _____ PS6: 0

Start time (from RC): 01:30:33 Settings Verified?
 HV OK?
 50k OK?

Stop time (from RC): 02:10:52

HMS (T4) rate **Calo (T1) rate** **COIN (T5) rate**
 prescale pretrig: pretrig:
e- γ evts: 213897 Data ok
 Junk

Comments: 10cm Dummy

Max NPS anode (μA)

p(e,e' γ) p Run Sheet

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

Date: 23/10/04
yy mm dd

Initials: *JK*

Use a separate sheet for each configuration.

HMS

Configuration Name: KinL x 50.2

Purpose:
 Production
 Test
 Optics
 Other: _____

Q1	I-SET (from PSU)	A
	B-HALL	T
Q2	I-SET (from PSU)	A
	B-HALL	T
Q3	I SET (from PSU)	A
	B-HALL	T
D	I READ	A
	B-NMR	T

If momentum increased:
 HMS cycled?

E_{beam}: 10.539 GeV **I_{beam}:** 15 μ A

Raster: On Off
Size: 2x2

HMS
p: +/- 0.667 **θ (TV):** 12.493
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.49</u>	mm	<u>0.00</u> mm
NomIn:		NomIn:
3H07C	X	Y
<u>0.49</u>	mm	<u>0.06</u> mm
NomIn:		NomIn:

SHMS **NPS**
 θ (TV): 36.88 **θ = SHMS** 20.58
Nearest 0.005 -16.30° Nearest 0.005

Collimator: **HMS:** Large Sieve

Run Number: <u>1596</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% rt.I <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>02:37:46</u> Stop time (from RC): <u>03:11:32</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>18111</u> COIN (T6) rate <u>4714</u>	Calo (T1) rate prescale pretrig: <u>1506054</u> e-γ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Beam went away.

Max NPS anode (μ A)

Run Number: <u>1597</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% rt.I <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>03:18:47</u> Stop time (from RC): <u>04:19:05</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>18154</u> COIN (T6) rate <u>5038</u>	Calo (T1) rate prescale pretrig: <u>3415387</u> e-γ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

Max NPS anode (μ A)

Run Number: <u>1598</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% rt.I <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>04:20:18</u> Stop time (from RC): <u>05:25:57</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>18622</u> COIN (T6) rate <u>4487</u>	Calo (T1) rate prescale pretrig: <u>6157164</u> e-γ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

Max NPS anode (μ A)

Run Number: <u>1599</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% rt.I <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>05:27:08</u> Stop time (from RC): <u>06:30</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate 	Calo (T1) rate prescale pretrig: <u>3820866</u> e-γ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Nps VME3 did not respond to code run end restarted Diag code corrected issue. Run looks intact. Data ok

Max NPS anode (μ A)

p(e,e' γ) p Run Sheet

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

Date: 23/10/04
yy mm dd

Initials: DE

Use a separate sheet for each configuration.

HMS

Configuration Name: VINEX50-2

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.539 GeV **I_{beam}:** 15 μ A

Raster: On Off
Size: 2x2

HMS
p: +/- 6.667 **θ (TV):** 12.493
From GUI Nearest 0.005

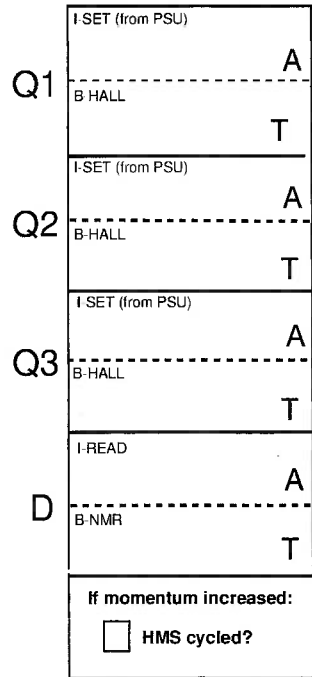
Beam position and angle on target:

3H07A	X	Y
<u>1.5</u> mm		<u>0.00</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.5</u> mm		<u>0.02</u> mm
Nomin:		Nomin:

SHMS
 θ (TV): 36.88
Nearest 0.005

NPS
 θ = SHMS 20.58
-16.30° Nearest 0.005

Collimator: **HMS:** Large Sieve



Run Number: <u>1500</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): <u>06:49:20</u> Stop time (from RC): <u>08:50</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: same problem w/ nps vme3

Max NPS anode (μ A)

Run Number: <u>1601</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Max NPS anode (μ A)

Run Number: <u>1602</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments: Kill coda

Max NPS anode (μ A)

Run Number: <u>1603</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>08:13</u> Stop time (from RC): <u>08:36</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Coda Error, needed to Reset

Max NPS anode (μ A)

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

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

Date: 23/10/16
yy mm dd

Initials: MN

Use a separate sheet for each configuration.

HMS

Configuration Name:
Kinc_X50_2

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam} : 10.539 GeV I_{beam} : 15 μA

Raster: On Off
Size: 2x2

HMS
 p : +/- 6.66 $\theta(TV)$: 12.493
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
1.5	mm	0
Nomin:		Nomin:
3H07C	X	Y
0.5	mm	0
Nomin:		Nomin:

Q1	I SET (from PSU)	A
	B-HALL	T
Q2	I SET (from PSU)	A
	B-HALL	T
Q3	I-READ	A
	B-HALL	T
D	B-NMR	T

If momentum increased:
 HMS cycled?

SHMS **NPS**
 $\theta(TV)$: 36.88 $\theta = SHMS$ 20.58
Nearest 0.005 Nearest 0.005
Collimator: HMS: Large Sieve

Run Number: 1604	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> _____	PS1: 0 PS2: 1 PS3: 0 PS4: 0 PS5: 1 PS6: 0	Start time (from RC): 08:39 Stop time (from RC): 09:16	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: LT & Rate drop to zero for 1/2 of total time.

Max NPS anode (μA)

Run Number: 1605	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> _____	PS1: 0 PS2: 1 PS3: 1 PS4: 1 PS5: 1 PS6: 0	Start time (from RC): Stop time (from RC): 	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Debussing

Max NPS anode (μA)

Run Number: 1606	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> _____	PS1: 1 PS2: 1 PS3: 1 PS4: 1 PS5: 1 PS6: 0	Start time (from RC): 09:40 Stop time (from RC): 10:18	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Reset error

Max NPS anode (μA)

Run Number: 1607	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> _____	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC): 	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Junk - debug CODA

Max NPS anode (μA)

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

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

Date: 23 / 10 / 04
yy mm dd

Initials: MW

Use a separate sheet for each configuration.

HMS

Configuration Name:
Kinc. X50-2

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam} : 10.539 GeV I_{beam} : 15 μA

Raster: On Off
Size: _____

HMS
 p : +0.660 From GUI $\theta(TV)$: 12.493
Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.5</u>	mm	<u>0</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.5</u>	mm	<u>0</u> mm
Nomin:		Nomin:

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

SHMS **NPS**
 $\theta(TV)$: 36.88 $\theta =$ SHMS 20.58
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve

Run Number: 1608

LH2 10cm PS1: _____ **Start time (from RC):** _____ Settings Verified? HMS (T4) rate Calo (T1) rate prescale pretrig: COIN (T5) rate pretrig:

LD2 10cm PS2: _____ **Stop time (from RC):** _____ HV OK? COIN (T6) rate $e\text{-}\gamma$ evts: Data ok

Dummy 10cm PS3: _____ 50k OK? Junk

Optics#1 8cm PS4: _____ **Comments:** Junk **Max NPS anode (μA)**

C 0.5% r.l.l. PS5: _____

_____ PS6: _____

Run Number: 1609

LH2 10cm PS1: -1 **Start time (from RC):** 10:34 Settings Verified? HMS (T4) rate Calo (T1) rate prescale pretrig: COIN (T5) rate pretrig:

LD2 10cm PS2: 7 **Stop time (from RC):** 11:31 HV OK? COIN (T6) rate $e\text{-}\gamma$ evts: Data ok

Dummy 10cm PS3: 4 50k OK? Junk

Optics#1 8cm PS4: 4 **Comments:** ~~Production~~ **Max NPS anode (μA)**

C 0.5% r.l.l. PS5: -1

_____ PS6: 0

Run Number: 1610

LH2 10cm PS1: -1 **Start time (from RC):** 11:39 Settings Verified? HMS (T4) rate Calo (T1) rate prescale pretrig: COIN (T5) rate pretrig:

LD2 10cm PS2: -1 **Stop time (from RC):** 12:09 HV OK? COIN (T6) rate $e\text{-}\gamma$ evts: Data ok

Dummy 10cm PS3: 5 50k OK? Junk

Optics#1 8cm PS4: -1 **Comments:** Production: Efficiency Study **Max NPS anode (μA)**

C 0.5% r.l.l. PS5: 7

_____ PS6: -1

Run Number: 1611

LH2 10cm PS1: -1 **Start time (from RC):** 12:12 Settings Verified? HMS (T4) rate Calo (T1) rate prescale pretrig: COIN (T5) rate pretrig:

LD2 10cm PS2: -1 **Stop time (from RC):** 12:14 HV OK? COIN (T6) rate $e\text{-}\gamma$ evts: Data ok

Dummy 10cm PS3: -1 50k OK? Junk

Optics#1 8cm PS4: -1 **Comments:** Testing Pair threshold / Junk **Max NPS anode (μA)**

C 0.5% r.l.l. PS5: -1

_____ PS6: 0

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

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

Date: 23 / 10 / 04
yy mm dd

Initials: MW

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KinC-X50-2

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam} : 10.539 GeV I_{beam} : 15 μA

Raster: On Off
Size: _____

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

HMS
 p : +0.667 From GUI $\theta(\text{TV})$: 12.493 Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>15</u> mm	<u>0</u> mm	
Nomin:		Nomin:
3H07C	X	Y
<u>0.5</u> mm	<u>0</u> mm	
Nomin:		Nomin:

SHMS
 $\theta(\text{TV})$: 36.88 Nearest 0.005

NPS
 $\theta = \text{SHMS}$ 20.58
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve

Run Number: <u>1612</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>12:16</u> Stop time (from RC): <u>12:18</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
					COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: _____
 Pair threshold = 950 MeV / Test

Max NPS anode (μA): _____

Run Number: <u>1613</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>12:24</u> Stop time (from RC): <u>13:34</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
					COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: _____
 5.4 million events

Max NPS anode (μA): _____

Run Number: <u>1614</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>13:47</u> Stop time (from RC): <u>14:47</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
					COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: _____
 Config \rightarrow Narrow Sparse

Max NPS anode (μA): 3.6

Run Number: <u>1615</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>14:48</u> Stop time (from RC): <u>15:46</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate	Calo (T1) rate prescale pretrig:	COIN (T5) rate pretrig:
					COIN (T6) rate	e- γ evts:	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: _____

Max NPS anode (μA): 3.7

p(e,e') p Run Sheet

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

Date: 23 / 10 / 04
yy mm dd

Initials: ANN

Use a separate sheet for each configuration.

HMS

Configuration Name:
KinC-750-2

Purpose:

- Production
 Test
 Optics
 Other: _____

E_{beam}: 10.539 GeV **I_{beam}:** 15 μA

Raster: On Off
Size: 2x2

Beam position and angle on target:

3H07A	X	Y
<u>1.5</u> mm	<u>0</u> mm	
Nomin:		Nomin:
3H07C	X	Y
<u>0.5</u> mm	<u>0</u> mm	
Nomin:		Nomin:

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

HMS
p: +06.667 **θ(TV):** 12.493
From GUI Nearest 0.005

SHMS **NPS**
θ(TV): 36.68 **θ = SHMS** 20.58
Nearest 0.005 -16.30° Nearest 0.005

Collimator: **HMS: Large** **Sieve**

Run Number: <u>1616</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l. <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>15:54</u> Stop time (from RC): <u>16:25</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: NPS sweep off

Max NPS anode (μA)

Run Number: <u>1617</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l. <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>5.1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>16:38</u> Stop time (from RC): <u>17:15</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>1476</u> COIN (T6) rate <u>1671</u>	Calo (T1) rate prescale pretrig: <u>53x10⁵</u> e-γ evts:	COIN (T5) rate pretrig: <u>2112</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: efficiency run

Max NPS anode (μA)
3.59

Run Number: <u>1618</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l. <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>17:31</u> Stop time (from RC): <u>18:25</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: LH2 PS6=0 NPS sweep on

Max NPS anode (μA)

Run Number: <u>1619</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l. <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>19:06</u> Stop time (from RC): <u>19:38</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: NPS sweep off wide sparse-window

Max NPS anode (μA)

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

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

Date: ___/___/___ Initials: ___
 yy mm dd

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

Purpose:
 Production
 Test
 Optics
 Other: _____

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

E_{beam} : 10.539 GeV I_{beam} : _____ μA

Raster: On Off
 Size: _____

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

Beam position and angle on target:

3H07A	X	Y
1.49 mm		-0.012 mm
Nomin:		Nomin:
3H07C	X	Y
0.5 mm		0.02 mm
Nomin:		Nomin:

SHMS
 $\theta(\text{TV})$: 36.68
Nearest 0.005

NPS
 $\theta = \text{SHMS}$ 20.58
 -16.30°
Nearest 0.005

Collimator: HMS: Large Sieve

Run Number: 1620	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/>	PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0	Start time (from RC): 19:40 Stop time (from RC): 20:40	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: $e\text{-}\gamma$ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: NPS sweep on

Max NPS anode (μA)

Run Number: 1621	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/>	PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): 20:41 Stop time (from RC): 21:15	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: $e\text{-}\gamma$ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Efficiency run

Max NPS anode (μA)

Run Number: 1622	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/>	PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0	Start time (from RC): 21:25 Stop time (from RC): 21:57	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: $e\text{-}\gamma$ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Dummy PS6=0

Max NPS anode (μA)

Run Number: 1623	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/>	PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0	Start time (from RC): 22:10 Stop time (from RC): 23:10	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: $e\text{-}\gamma$ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: D2 15 μA PS6=0

Max NPS anode (μA)

p(e,e') p Run Sheet

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

Date: 23/10/05
yy mm dd

Initials: SKK

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
RinC-X50-2

Purpose:
 Production
 Test
 Optics
 Other: _____

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

Raster: On Off
Size: 2x2

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

Beam position and angle on target:

3H07A	X	Y
<u>1.50</u> mm		<u>0.003</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.50</u> mm		<u>-0.012</u> mm
Nomin:		Nomin:

SHMS
θ(TV): 36.880
Nearest 0.005

NPS
θ = SHMS 20.58
-16.30° Nearest 0.005

Collimator: **HMS: Large**
 Sieve

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

Run Number: <u>1624</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>23:11</u> Stop time (from RC): <u>00:14</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>14419</u> COIN (T6) rate <u>1727</u>	Calo (T1) rate prescale pretrig: <u>5.42 x 10⁵</u> e-γ evts:	COIN (T5) rate pretrig: <u>2036</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: D2 15μA

Max NPS anode (μA)
3.72

Run Number: <u>1625</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>00:16</u> Stop time (from RC): <u>01:18</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: D2 15 μA PS6=0 events ≈ 4.9 million

Max NPS anode (μA)
3.72

Run Number: <u>1626</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>01:20</u> Stop time (from RC): <u>02:21</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: D2, 15 μA PS6=0 events ≈ 3.2 million

Max NPS anode (μA)
3.78

Run Number: <u>627</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.I <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>02:23</u> Stop time (from RC): <u>03:32</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e-γ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: D2, 15 μA PS6=0 need to restart COIN as it was not ending.

Max NPS anode (μA)
3.78

p(e,e' γ) p Run Sheet

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

Date: 23/10/05
yy mm dd

Initials: SKK

Use a separate sheet for each configuration.

HMS

Configuration Name:
KinC-x50.2

Purpose:

- Production
- Test
- Optics
- Other: _____

E_{beam}: 10.539 GeV **I_{beam}:** _____ μ A

Raster: On Off
Size: 2 x 2

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

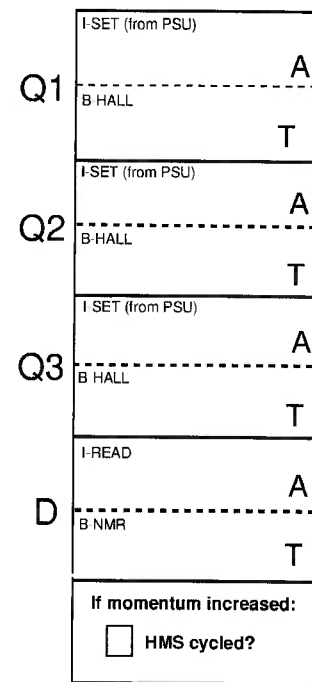
Beam position and angle on target:

3H07A	X	Y
<u>1.479</u> mm		<u>-0.01</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.49</u> mm		<u>-0.01</u> mm
Nomin:		Nomin:

SHMS
 θ (TV): 36.880
Nearest 0.005

NPS
 θ = SHMS 26.58
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve



Run Number: <u>1628</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>03:36</u> Stop time (from RC): <u>03:42</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>14627</u> COIN (T6) rate <u>1643</u>	Calo (T1) rate prescale pretrig: <u>5.01 x 10⁵</u> e- γ evts:	COIN (T5) rate pretrig: <u>2043</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Again need to run CODA because of same ending issue

Max NPS anode (μ A)

Run Number: <u>1629</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>5</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>04:49</u> Stop time (from RC): <u>05:20</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: LD2, 15 μ A, PS3=5, Events = 1.6 million

Max NPS anode (μ A)
3.64

Run Number: <u>1630</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>05:33</u> Stop time (from RC): <u>06:45</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	HMS (T4) rate <u>12411</u> COIN (T6) rate <u>981</u>	Calo (T1) rate prescale pretrig: <u>3.01 x 10⁵</u> e- γ evts:	COIN (T5) rate pretrig: <u>1105</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: LH2, 30 μ A PS6=0, Events = 3.5 million

Max NPS anode (μ A)
4.26

Run Number: <u>1631</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>06:47</u> Stop time (from RC): <u>07:51</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	HMS (T4) rate COIN (T6) rate	Calo (T1) rate prescale pretrig: e- γ evts:	COIN (T5) rate pretrig: <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: LH2, 30 μ A, PS6=0, Event = 3.18 million

Max NPS anode (μ A)

p(e,e') p Run Sheet

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

Date: 13/10/05
yy mm dd

Initials: EKK

Use a separate sheet for each configuration.

HMS

Configuration Name: KINC-X50-2

coin_sparse
coin

E_{beam}: 10.539 GeV I_{beam}: 30 μA

HMS
p: +0.6667 θ(TV): 12.490
From GUI Nearest 0.005

SHMS **NPS**
θ(TV): 34.885 θ = SHMS -16.30°
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 467.933

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
Size: 2x

Beam position and angle on target:

3H07A	X	Y
<u>1.503</u> mm		<u>-0.006</u> mm
Nomin: <u>1.5</u>		Nomin: <u>0</u>
3H07C	X	Y
<u>0.57</u> mm		<u>-0.002</u> mm
Nomin: <u>0.5</u>		Nomin: <u>0</u>

Q1	I-SET (from PSU) <u>874.41</u> A
	B-HALL <u>1.16350</u> T
Q2	I-SET (from PSU) <u>718.36</u> A
	B-HALL <u>-1.38542</u> T
Q3	I-SET (from PSU) <u>335.98</u> A
	B-HALL <u>0.67753</u> T
D	I-READ <u>2331.30</u> A
	B-NMR <u>1.85379</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: 1632

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

Start time (from RC): 18:29 Settings Verified?
Stop time (from RC): 19:07 HV OK?
 50k OK?

hTRIG1 rate: 467k hTRIG3 rate: 15k hTRIG4 rate: 12.5k
hTRIG5 rate: 1500 hTRIG6 rate: 1300 Data ok
 Junk

Events 2.52M Active trigger LiveTime fraction (NPS Scaler Gui) 99.8% Max NPS anode current (single crystal) 6.9 (μA)
Charge 0.052 μC

Comments: sweep off

Run Number: 1633

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

Start time (from RC): 19:11 Settings Verified?
Stop time (from RC): 19:59 HV OK?
 50k OK?

hTRIG1 rate: 324k hTRIG3 rate: 15k hTRIG4 rate: 12.5k
hTRIG5 rate: 1221 hTRIG6 rate: 1042 Data ok
 Junk

Events 2.12M Active trigger LiveTime fraction (NPS Scaler Gui) 99.3% Max NPS anode current (single crystal) 5.2 (μA)
Charge 0.055 μC

Comments: Sweep ON

Run Number: 1634

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

Start time (from RC): 20:01 Settings Verified?
Stop time (from RC): 20:41 HV OK?
 50k OK?

hTRIG1 rate: 324k hTRIG3 rate: 14.9k hTRIG4 rate: 12.4k
hTRIG5 rate: 1200 hTRIG6 rate: 1000 Data ok
 Junk

Events 2.07M Active trigger LiveTime fraction (NPS Scaler Gui) 99.3% Max NPS anode current (single crystal) 5.0 (μA)
Charge 0.057 μC

Comments: Sweep on

Run Number: 1635

LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: 4
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 PS6: 0

Start time (from RC): 20:45 Settings Verified?
Stop time (from RC): 21:21 HV OK?
 50k OK?

hTRIG1 rate: 334k hTRIG3 rate: 1615 hTRIG4 rate: 12.2k
hTRIG5 rate: 1200 hTRIG6 rate: 985 Data ok
 Junk

Events 2M Active trigger LiveTime fraction (NPS Scaler Gui) 99.3 Max NPS anode current (single crystal) 5.28 (μA)
Charge ? μC

Comments: Sweep on, Efficiency

↑ E_{el} of Run starts all 05:14.m

p(e,e') p Run Sheet

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

Date: 23/10/05
yy mm dd

Initials: RAK

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KINC_x50_2
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.539 GeV I_{beam}: 30 μ A

Raster: On Off
 Size: 2x2

HMS
 p: +0-6.67 θ (TV): 12.490
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.49</u>	mm	<u>-0.006</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.51</u>	mm	<u>-0.01</u> mm
Nomin:		Nomin:

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

SHMS **NPS**
 θ (TV): 90.585 θ = SHMS -16.30°
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve
 NPS Sweep Current 447.933

Run Number: <u>1636</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>21:41</u> Stop time (from RC): <u>21:52</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>37k</u> hTRIG5 rate: <u>94</u>	hTRIG3 rate: <u>2.3k</u> hTRIG6 rate: <u>88</u>	hTRIG4 rate: <u>1.9k</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Sweep on, short low current run @ 5 μ A

Events: <u>57k</u> Charge: <u>1.4 μC</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>100%</u>	Max NPS anode current (single crystal): <u>1.41 μA</u>
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Run Number: <u>1637</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>22:08</u> Stop time (from RC): <u>22:40</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>335k</u> hTRIG5 rate: <u>1100</u>	hTRIG3 rate: <u>13.8k</u> hTRIG6 rate: <u>876</u>	hTRIG4 rate: <u>10.7k</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Sweep on 30 μ A

Events: <u>1.47M</u> Charge: <u>1046 μC</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>99.9%</u>	Max NPS anode current (single crystal): <u>6.97 μA</u>
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Run Number: <u>1638</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>22:53</u> Stop time (from RC): <u>00:00</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>378k</u> hTRIG5 rate: <u>2,290</u>	hTRIG3 rate: <u>18.8k</u> hTRIG6 rate: <u>1800</u>	hTRIG4 rate: <u>15.3k</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Sweep on 15 μ A

Events: <u>4.6M</u> Charge: <u>1033 μC</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>98.3%</u>	Max NPS anode current (single crystal): <u>4.4 μA</u>
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Run Number: <u>1639</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>00:02</u> Stop time (from RC): <u>01:05</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>5.46x10⁵</u> hTRIG5 rate: <u>2152</u>	hTRIG3 rate: <u>18290</u> hTRIG6 rate: <u>1801</u>	hTRIG4 rate: <u>15329</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Sweep on 15 μ A

Events: _____ Charge: _____ μ C	Active trigger LiveTime fraction (NPS Scaler Gui): <u>100%</u>	Max NPS anode current (single crystal): <u>4.54 μA</u>
--	--	---

p(e,e' γ) p Run Sheet

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

Date: 23/10/06
yy mm dd

Initials: SKK

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KINC-A50-2

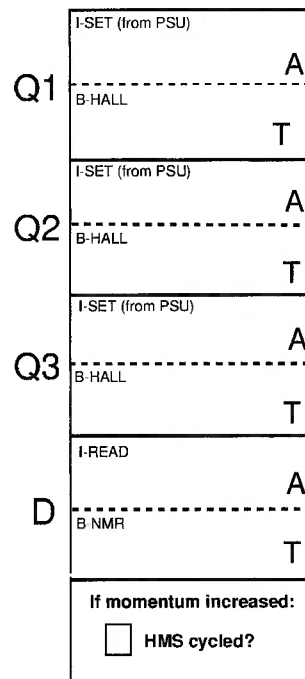
coin_sparse
coin

Purpose:

Production
 Test
 Optics
 Other: _____

E_{beam}: 10.53 GeV I_{beam}: _____ μ A

Raster: On Off
Size: 2x2



HMS

p: +/- _____ θ (TV): 12.47
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.50</u>	mm	<u>0.67</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.50</u>	mm	<u>0.0</u> mm
Nomin:		Nomin:

SHMS **NPS**

θ (TV): 36.90 θ = SHMS
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: 1640

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

Start time (from RC): 02:46
Stop time (from RC): 02:48

Settings Verified? HV OK? 50k OK?

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

Comments: 15 μ A

Events _____ Charge _____ μ C

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

Run Number: 1641

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

Start time (from RC): 02:55
Stop time (from RC): 03:59

Settings Verified? HV OK? 50k OK?

hTRIG1 rate 5.48x10⁵ hTRIG3 rate 14995 hTRIG4 rate 12640
hTRIG5 rate 2002 hTRIG6 rate 1768 Data ok
 Junk

Comments: Sweep ON 15 μ A - PS6 = 0

Events 2.8 M Charge 45 μ C

Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) (μ A) 4.42

Run Number: 1642

LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: 5
 Optics#1 8cm PS4: -1
 C 0.5% r.l. PS5: -1
 PS6: -1

Start time (from RC): 04:01
Stop time (from RC): 04:33

Settings Verified? HV OK? 50k OK?

hTRIG1 rate 5.30x10⁵ hTRIG3 rate 18732 hTRIG4 rate 15142
hTRIG5 rate 2132 hTRIG6 rate 1721 Data ok
 Junk

Comments: Sweep ON 15 μ A PS3 = 5

Events _____ Charge 93.6 μ C

Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) (μ A) 4.41

Run Number: 1643

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

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

Settings Verified? HV OK? 50k OK?

hTRIG1 rate 5.34x10⁵ hTRIG3 rate 17988 hTRIG4 rate 14852
hTRIG5 rate 2186 hTRIG6 rate 1815 Data ok
 Junk

Comments: Sweep ON 15 μ A PS6 = 0

Events 4.4 M Charge _____ μ C

Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) (μ A) 4.43

p(e,e'γ) p Run Sheet

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

Date: 23/10/06
yy mm dd

Initials: SKK

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
Kmc-X50-2

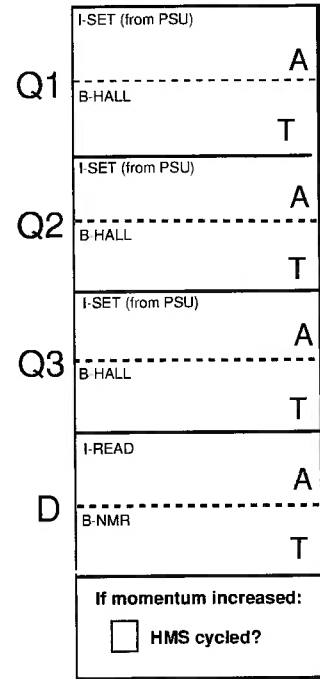
coin_sparse
coin

Purpose:

Production
 Test
 Optics
 Other: _____

E_{beam}: 10.53 GeV I_{beam}: _____ μA

Raster: On Off
Size: 2x2



HMS

p: +/- _____ θ(TV): 12.47
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.50</u>	mm	<u>0.003</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.51</u>	mm	<u>-0.01</u> mm
Nomin:		Nomin:

SHMS **NPS**

θ(TV): 36.90 θ = SHMS -16.30°
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: 1644

LH2 10cm PS1: -1 Start time (from RC): 05:46 Settings Verified? hTRIG1 rate: 5.13 x 10⁵ hTRIG3 rate: 18261 hTRIG4 rate: 14939

LD2 10cm PS2: -1 Stop time (from RC): 06:48 HV OK? hTRIG5 rate: 2136 hTRIG6 rate: 1731 Data ok

Dummy 10cm PS3: -1 50k OK? Junk

Optics#1 8cm PS4: -1 Events 3.2 M Active trigger LiveTime fraction (NPS Scaler Gui): 100 % Max NPS anode current (single crystal) (μA)

C 0.5% r.l.l PS5: -1 Charge _____ μC

Comments: Sweep ON 15 MA, Ending Issue

Run Number: 1645

LH2 10cm PS1: -1 Start time (from RC): 06:58 Settings Verified? hTRIG1 rate: 5.17 x 10⁵ hTRIG3 rate: 18500 hTRIG4 rate: 15121

LD2 10cm PS2: -1 Stop time (from RC): 07:59 HV OK? hTRIG5 rate: 2038 hTRIG6 rate: 1768 Data ok

Dummy 10cm PS3: -1 50k OK? Junk

Optics#1 8cm PS4: -1 Events 3.5 M Active trigger LiveTime fraction (NPS Scaler Gui): _____ Max NPS anode current (single crystal) (μA)

C 0.5% r.l.l PS5: -1 Charge _____ μC

Comments: _____

Run Number: 1646

LH2 10cm PS1: -1 Start time (from RC): 8:08 Settings Verified? hTRIG1 rate: 5.3 x 10⁵ hTRIG3 rate: 1.83 x 10⁴ hTRIG4 rate: 1.5 x 10⁴

LD2 10cm PS2: -1 Stop time (from RC): 9:15 HV OK? hTRIG5 rate: 2133 hTRIG6 rate: 1778 Data ok

Dummy 10cm PS3: -1 50k OK? Junk

Optics#1 8cm PS4: -1 Events 3093134 Active trigger LiveTime fraction (NPS Scaler Gui): _____ Max NPS anode current (single crystal) (μA)

C 0.5% r.l.l PS5: -1 Charge _____ μC

Comments: _____

Run Number: 1647

LH2 10cm PS1: -1 Start time (from RC): 9:28 Settings Verified? hTRIG1 rate: 537130.5 hTRIG3 rate: 18295.7 hTRIG4 rate: 15037.6

LD2 10cm PS2: -1 Stop time (from RC): 10:40 HV OK? hTRIG5 rate: 2133.6 hTRIG6 rate: 1777.9 Data ok

Dummy 10cm PS3: -1 50k OK? Junk

Optics#1 8cm PS4: -1 Events 2759478 Active trigger LiveTime fraction (NPS Scaler Gui): _____ Max NPS anode current (single crystal) (μA)

C 0.5% r.l.l PS5: -1 Charge _____ μC

Comments: _____

p(e,e'γ) p Run Sheet

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

Date: ___/___/___
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse *kin C - x 50-2 'cycle'*

coin

Purpose:

Production

Test

Optics

Other: _____

E_{beam}: _____ GeV

I_{beam}: _____ μA

Raster: On Off

Size: _____

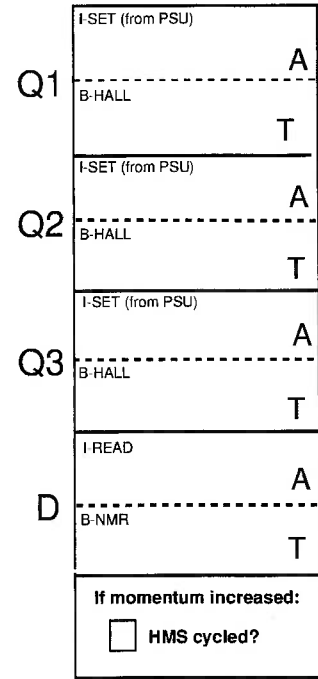
HMS

p: +/- _____ θ(TV): _____

From GUI Nearest 0.005

Beam position and angle on target:

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



SHMS

θ(TV): _____

Nearest 0.005

NPS

θ = SHMS

-16.30°

Nearest 0.005

Collimator:

HMS: Large Sieve

NPS Sweep Current

Run Number: 1648

LH2 10cm

LD2 10cm

Dummy 10cm

Optics#1 8cm

C 0.5% rt.I

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

Start time (from RC): 10:44

Stop time (from RC): 11:42

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate: 537130.5

hTRIG3 rate: 18295.7

hTRIG4 rate: 15037.6

hTRIG5 rate: 2133.6

hTRIG6 rate: 1777.9

Data ok

Junk

Events: ~~3907737~~ 3907737

Charge: _____ μC

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 1649

LH2 10cm

LD2 10cm

Dummy 10cm

Optics#1 8cm

C 0.5% rt.I

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

Start time (from RC): 11:44

Stop time (from RC): 12:13

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate

hTRIG3 rate

hTRIG4 rate

hTRIG5 rate

hTRIG6 rate

Data ok

Junk

Events: 1152680

Charge: _____ μC

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Comments: NPS crate 2, 3 low signals.

Run Number: 1650

LH2 10cm

LD2 10cm

Dummy 10cm

Optics#1 8cm

C 0.5% rt.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

Events: _____

Charge: _____ μC

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Comments: crashed.

Run Number: 1651

LH2 10cm

LD2 10cm

Dummy 10cm

Optics#1 8cm

C 0.5% rt.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

Events: _____

Charge: _____ μC

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Comments: crashed.

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

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

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

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
knrc - X50 - 2 'cycle'

coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

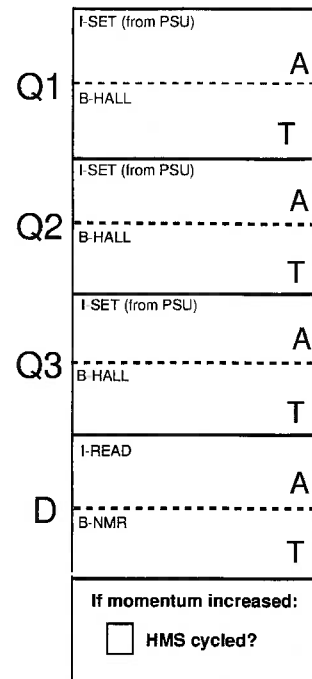
E_{beam}: _____ GeV **I_{beam}:** _____ μ A

Raster: On Off
Size: _____

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

Beam position and angle on target:

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



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

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: 1652
 LH2 10cm PS1: -1 Start time (from RC): 12:27
 LD2 10cm PS2: -1 Stop time (from RC): 13:00
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l. PS5: -1
 _____ PS6: 0

Settings Verified? **hTRIG1 rate** **hTRIG3 rate** **hTRIG4 rate**
HV OK? **hTRIG5 rate** **hTRIG6 rate** Data ok
50k OK? Junk

Comments: _____

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

Run Number: 1653
 LH2 10cm PS1: _____ Start time (from RC): 13:04
 LD2 10cm PS2: _____ Stop time (from RC): 13:06
 Dummy 10cm PS3: _____
 Optics#1 8cm PS4: _____
 C 0.5% r.l.l. PS5: _____
 _____ PS6: _____

Settings Verified? **hTRIG1 rate** **hTRIG3 rate** **hTRIG4 rate**
HV OK? **hTRIG5 rate** **hTRIG6 rate** Data ok
50k OK? Junk

Comments: No beam,

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

Run Number: 1654
 LH2 10cm PS1: _____ Start time (from RC): 13:11
 LD2 10cm PS2: _____ Stop time (from RC):
 Dummy 10cm PS3: _____
 Optics#1 8cm PS4: _____
 C 0.5% r.l.l. PS5: _____
 _____ PS6: _____

Settings Verified? **hTRIG1 rate** **hTRIG3 rate** **hTRIG4 rate**
HV OK? **hTRIG5 rate** **hTRIG6 rate** Data ok
50k OK? Junk

Comments: No beam

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

Run Number: 1655
 LH2 10cm PS1: -1 Start time (from RC): 13:20
 LD2 10cm PS2: -1 Stop time (from RC): 13:21
 Dummy 10cm PS3: -1
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l. PS5: -1
 _____ PS6: 0

Settings Verified? **hTRIG1 rate** **hTRIG3 rate** **hTRIG4 rate**
HV OK? **hTRIG5 rate** **hTRIG6 rate** Data ok
50k OK? Junk

Comments: Test, pair threshold = 600 MeV

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

p(e,e' γ) p Run Sheet

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

Date: 13/10/06
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KINC-X50 -> cycle'
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

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

Raster: On Off
 Size: _____

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

Beam position and angle on target:

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

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

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

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: <u>1656</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0	Start time (from RC): <u>13:25</u>	Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK? <input checked="" type="checkbox"/>	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
Comments: _____			Stop time (from RC): <u>14:25</u>		hTRIG5 rate	hTRIG6 rate	Data ok <input checked="" type="checkbox"/> Junk <input type="checkbox"/>

Peter's low current run
 cluster pair threshold = 600 MeV, beam current = 10 μ A
 Events 996762
 Charge _____ C

Run Number: <u>1657</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: -1 PS2: -1 PS3: 2 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): <u>14:28</u>	Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK? <input checked="" type="checkbox"/>	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
Comments: _____			Stop time (from RC): <u>14:46</u>		hTRIG5 rate	hTRIG6 rate	Data ok <input checked="" type="checkbox"/> Junk <input type="checkbox"/>

cluster pair threshold back to 950 MeV,
 beam current = 10 μ A, efficiency run
 Events 1601429
 Charge _____ C

Run Number: <u>1658</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: -1 PS2: -1 PS3: 4 PS4: -1 PS5: -1 PS6: -1	Start time (from RC): <u>14:50</u>	Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK? <input checked="" type="checkbox"/>	hTRIG1 rate <u>3.15 x 10⁵</u>	hTRIG3 rate <u>14808</u>	hTRIG4 rate <u>12518.5</u>
Comments: _____			Stop time (from RC): <u>15:26</u>		hTRIG5 rate <u>1131.5</u>	hTRIG6 rate <u>979</u>	Data ok <input checked="" type="checkbox"/> Junk <input type="checkbox"/>

beam current = 30 μ A. efficiency run.
 Events 2847981
 Charge _____ C

Run Number: <u>1659</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0	Start time (from RC): <u>15:56</u>	Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK? <input checked="" type="checkbox"/>	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
Comments: _____			Stop time (from RC): <u>16:16</u>		hTRIG5 rate	hTRIG6 rate	Data ok <input type="checkbox"/> Junk <input type="checkbox"/>

data rate = 35 000 kB/s
 Events _____
 Charge _____ C

p(e,e' γ) p Run Sheet

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

Date: 23/16/06
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: KENC - x50 - 2 "cycle"
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: _____ GeV I_{beam}: 30 μ A

Raster: On Off
 Size: _____

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

Beam position and angle on target:

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

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

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

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: <u>1660</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: - PS2: 0 PS3: - PS4: - PS5: - PS6: -	Start time (from RC): <u>17:35</u> Stop time (from RC): <u>17:59</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: LED DAC = 52

Events _____ Charge C

Active trigger LiveTime fraction (NPS Scaler Gui)

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

Run Number: <u>1661</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: 0	Start time (from RC): <u>18:10</u> Stop time (from RC): <u>18:42</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
-------------------------	---	--	---	---	-------------	-------------	-------------	---

Comments: data rate = 38,000 KByte/s

Events 1370 K Charge 45.5 C

Active trigger LiveTime fraction (NPS Scaler Gui)

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

Run Number: <u>1662</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: 0	Start time (from RC): <u>19:01</u> Stop time (from RC): <u>19:23</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: data rate = 40,000 KBytes/s beam I = 15 mA

Events 2,021 K Charge 15.4 mC

Active trigger LiveTime fraction (NPS Scaler Gui)

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

Run Number: <u>1663</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: 0	Start time (from RC): <u>19:30</u> Stop time (from RC): <u>19:51</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
-------------------------	---	--	---	---	-------------	-------------	-------------	---

Comments: data rate = 105,000 KBytes/s I_{beam} = 15 mA Sweeper I = 234 A

Events 2,391 K Charge 16.4 mC

Active trigger LiveTime fraction (NPS Scaler Gui)

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

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

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

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

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KinC_X50_2 "cycle"

coin_sparse
coin

Purpose:

- Production
- Test
- Optics
- Other: _____

E_{beam}: _____ GeV I_{beam}: 15 μ A

Raster: On Off
Size: _____

HMS

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

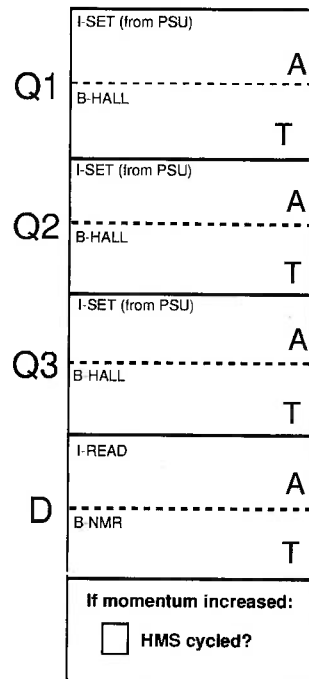
Beam position and angle on target:

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

SHMS **NPS**

θ (TV): _____ $\theta =$ SHMS _____
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current



Run Number: 1664

LH2 10cm PS1: - **Start time (from RC):** 19:54 Settings Verified? hTRIG1 rate hTRIG3 rate hTRIG4 rate

LD2 10cm PS2: - **Stop time (from RC):** 20:13 HV OK? hTRIG5 rate hTRIG6 rate Data ok

Dummy 10cm PS3: - 50k OK? Junk

Optics#1 8cm PS4: -

C 0.5% r.l. PS5: -

Comments: _____

_____ PS6: 0

data rate = ~~120,000~~ 120,000 Kbytes/s Sweeper I = 0 A Events 1,323 K Active trigger LiveTime fraction (NPS Scaler Gui) 99.7% Max NPS anode current (single crystal) 5.72 (μ A)

Charge 8.21 mC

Run Number: 1665

LH2 10cm PS1: - **Start time (from RC):** 20:14 Settings Verified? hTRIG1 rate hTRIG3 rate hTRIG4 rate

LD2 10cm PS2: - **Stop time (from RC):** 20:35 HV OK? hTRIG5 rate hTRIG6 rate Data ok

Dummy 10cm PS3: - 50k OK? Junk

Optics#1 8cm PS4: -

C 0.5% r.l. PS5: -

Comments: _____

_____ PS6: 0

data rate = 125,000 Kbytes/s Sweeper I = 0 A Events 2,248 K Active trigger LiveTime fraction (NPS Scaler Gui) 99.3% Max NPS anode current (single crystal) 5.4 (μ A)

Charge _____ C

Run Number: 1666

LH2 10cm PS1: - **Start time (from RC):** 20:49 Settings Verified? hTRIG1 rate hTRIG3 rate hTRIG4 rate

LD2 10cm PS2: - **Stop time (from RC):** 21:23 HV OK? hTRIG5 rate hTRIG6 rate Data ok

Dummy 10cm PS3: 5 50k OK? Junk

Optics#1 8cm PS4: -

C 0.5% r.l. PS5: -

Comments: _____

_____ PS6: -

data rate = 38,000 Kbytes/s Sweeper = 468 A Events 915 K Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) 4.24 (μ A)

Charge _____ C

Run Number: 1667

LH2 10cm PS1: - **Start time (from RC):** 21:32 Settings Verified? hTRIG1 rate hTRIG3 rate hTRIG4 rate

LD2 10cm PS2: - **Stop time (from RC):** HV OK? hTRIG5 rate hTRIG6 rate Data ok

Dummy 10cm PS3: 5 50k OK? Junk

Optics#1 8cm PS4: -

C 0.5% r.l. PS5: -

Comments: _____

_____ PS6: -

data rate = 46,000 Kbytes/s Events 586 K Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) (μ A)

Charge _____ C

p(e,e' γ) p Run Sheet

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

Date: / / Initials:
 yy mm dd

Use a separate sheet for each configuration.

HMS

Configuration Name: kinC_X50_2

coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other:

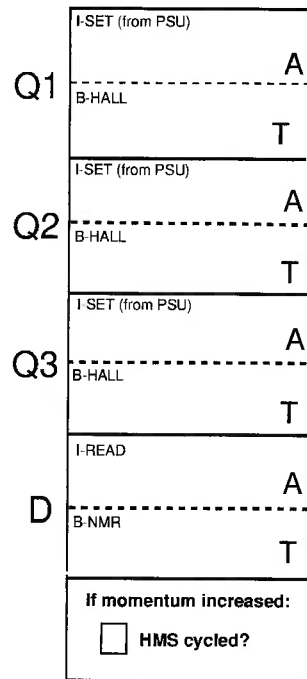
E_{beam}: GeV I_{beam}: 15 μ A

Raster: On Off
 Size:

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

Beam position and angle on target:

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



SHMS θ (TV): Nearest 0.005

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

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: 1668

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

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

Start time (from RC): 21:42 Stop time (from RC): 22:08

Settings Verified? HV OK? 50k OK?

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

Comments: data rate = 46,000 Kbytes/s I_{beam} = 10 mA

Events 1810 K Charge C Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) 3.04 (μ A)

Run Number: 1669

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

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

Start time (from RC): 22:11 Stop time (from RC): 22:36

Settings Verified? HV OK? 50k OK?

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

Comments: data rate = 30,000 Kbytes/s I_{beam} = 5 mA

Events 1590 K Charge C Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) 1.71 (μ A)

Run Number: 1670

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

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

Start time (from RC): 22:34 Stop time (from RC): 22:44

Settings Verified? HV OK? 50k OK?

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

Comments: test run for helicity scalars

Events 276 K Charge C Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) (μ A)

Run Number: 1671

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

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

Start time (from RC): 22:57 Stop time (from RC): 23:57

Settings Verified? HV OK? 50k OK?

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

Comments: data rate = 90,000 Kbytes/s I_{beam} = 15 mA

Events 5351 K Charge 0.042 C Active trigger LiveTime fraction (NPS Scaler Gui) 99.79 % Max NPS anode current (single crystal) 4.63 (μ A)

p(e,e' γ) p Run Sheet

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

Date: 23/10/07
yy mm dd

Initials: H.V.

Use a separate sheet for each configuration.

HMS

Configuration Name: KinC-x50.2 'cycle'
 coin_sparse
 coin

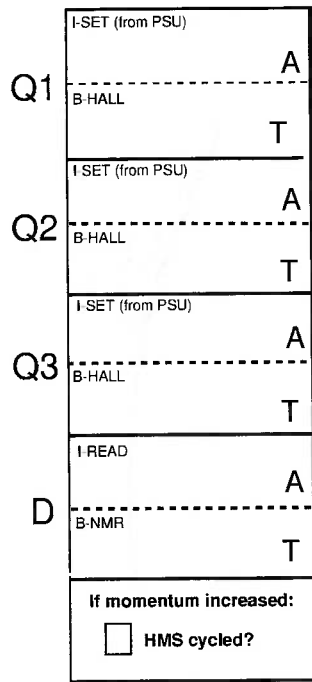
Purpose:

- Production
 Test
 Optics
 Other: _____

Same

E_{beam} : 10.54 GeV I_{beam} : _____ μA

Raster: On Off
 Size: 2x2



HMS
 p : +/- _____ $\theta(TV)$: 12.47
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.505</u>	mm	<u>0.003</u> mm
Nomin:		
3H07C	X	Y
<u>0.507</u>	mm	<u>0.002</u> mm
Nomin:		

SHMS **NPS**
 $\theta(TV)$: 36.90 $\theta = SHMS$
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: <u>1672</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>23:59</u> Stop time (from RC): <u>00:59</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>510k</u>	hTRIG3 rate <u>18.4k</u>	hTRIG4 rate <u>15.2</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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data rate = 90k KByte/sec $I_{beam} = 15 \mu A$
 Events 6000k Active trigger LiveTime fraction (NPS Scaler Gui) 99.8% Max NPS anode current (single crystal) 4.6 (μA)
 Charge 0.048C

Run Number: <u>1673</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>01:01</u> Stop time (from RC): <u>02:01</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>515k</u>	hTRIG3 rate <u>18.2k</u>	hTRIG4 rate <u>15.5k</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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data rate ~ 90 MByte/sec $I_{beam} = 15 \mu A$
 Events 3890 Active trigger LiveTime fraction (NPS Scaler Gui) 68.9% Max NPS anode current (single crystal) 4.5 (μA)
 Charge 0.045C

Run Number: <u>1674</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>02:03</u> Stop time (from RC): <u>03:11</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>518k</u>	hTRIG3 rate <u>18.7k</u>	hTRIG4 rate <u>15.9</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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data rate ~ 90 MByte/sec $I_{beam} = 15 \mu A$
 Events 5073 Active trigger LiveTime fraction (NPS Scaler Gui) 76.45% Max NPS anode current (single crystal) 4.49 (μA)
 Charge 0.057C

Run Number: <u>1675</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>03:12</u> Stop time (from RC): <u>04:19</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>510k</u>	hTRIG3 rate <u>18.5k</u>	hTRIG4 rate <u>15.1k</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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data rate ~ 90 MByte/sec $I_{beam} = 15 \mu A$
 Events 4131k Active trigger LiveTime fraction (NPS Scaler Gui) 70.65% Max NPS anode current (single crystal) 4.4 (μA)
 Charge 0.048C

p(e,e' γ) p Run Sheet

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

Date: 23/10/17
yy mm dd

Initials: H.V.

Use a separate sheet for each configuration.

HMS

Configuration Name: KinC-x50-2 cycle'
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

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

Raster: On Off
 Size: _____

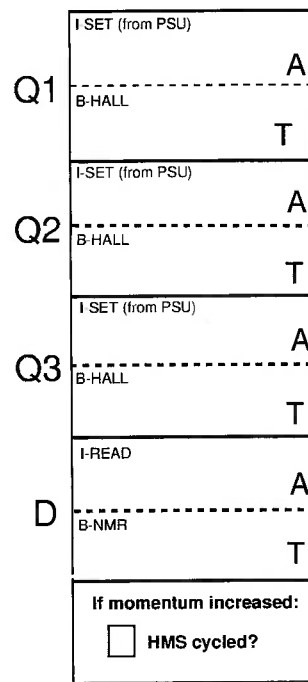
HMS
 p: +/- _____ θ (TV): _____
From GUI Nearest 0.005

Beam position and angle on target:

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

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

Collimator: HMS: Large Sieve NPS Sweep Current _____



Run Number: 1676
 LH2 10cm PS1: - Start time (from RC): 4:36
 LD2 10cm PS2: - Stop time (from RC): 5:20
 Dummy 10cm PS3: - Settings Verified?
 Optics#1 8cm PS4: - HV OK?
 C 0.5% r.l.l PS5: - 50k OK?
 _____ PS6: 0
 Comments: data rate ~ 38 MByte/sec I_{beam} = 30 μ A
 Events 1747K hTRIG1 rate 293K hTRIG3 rate 14.9K hTRIG4 rate 12.5K
 Charge 0C hTRIG5 rate 1.1K hTRIG6 rate 900 Data ok
 Active trigger LiveTime fraction (NPS Scaler Gui) ~100% Max NPS anode current (single crystal) 5.01 μ A

Run Number: 1677
 LH2 10cm PS1: - Start time (from RC): 5:55
 LD2 10cm PS2: - Stop time (from RC): 7:14
 Dummy 10cm PS3: - Settings Verified?
 Optics#1 8cm PS4: - HV OK?
 C 0.5% r.l.l PS5: - 50k OK?
 _____ PS6: 0
 Comments: data rate ~ 40 MByte/sec I_{beam} = 30 μ A
 Events 3703K hTRIG1 rate 304K hTRIG3 rate 15.0K hTRIG4 rate 12.7K
 Charge 0.110C hTRIG5 rate 1.05K hTRIG6 rate 914 Data ok
 Active trigger LiveTime fraction (NPS Scaler Gui) 99.86% Max NPS anode current (single crystal) 5.08 μ A

Run Number: 1678
 LH2 10cm PS1: - Start time (from RC): 7:15
 LD2 10cm PS2: - Stop time (from RC): 8:15
 Dummy 10cm PS3: - Settings Verified?
 Optics#1 8cm PS4: - HV OK?
 C 0.5% r.l.l PS5: - 50k OK?
 _____ PS6: 0
 Comments: data rate ~ 38 MByte/sec I_{beam} = 30 μ A
 Events 2.492M hTRIG1 rate 300K hTRIG3 rate 14.8K hTRIG4 rate 12.3K
 Charge 0.076C hTRIG5 rate 1.08K hTRIG6 rate 910 Data ok
 Active trigger LiveTime fraction (NPS Scaler Gui) ~100% Max NPS anode current (single crystal) 5.02 μ A

Run Number: 1679
 LH2 10cm PS1: - Start time (from RC): 8:21
 LD2 10cm PS2: - Stop time (from RC): 8:41
 Dummy 10cm PS3: 4 Settings Verified?
 Optics#1 8cm PS4: - HV OK?
 C 0.5% r.l.l PS5: - 50k OK?
 _____ PS6: -
 Comments: Data rate ~ 55 MB/s I_b = 30 μ A Efficiency run
 Events 1.72M hTRIG1 rate 301K hTRIG3 rate 16.50 hTRIG4 rate 12.5K
 Charge 0.028C hTRIG5 rate 1.09K hTRIG6 rate 920 Data ok
 Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 5.04 μ A

p(e,e' γ) p Run Sheet

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

Date: 23/10/07
yy mm dd

Initials: JS

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KinC-x50-2
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.5 GeV I_{beam}: _____ μ A

Raster: On Off
 Size: 2 x 2 mm

HMS
 p: +/- _____ θ (TV): 12.47
From GUI Nearest 0.005

Beam position and angle on target:

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

SHMS
 θ (TV): 36.900
Nearest 0.005

NPS
 θ = SHMS 23.600
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current _____

Q1	I-SET (from PSU)	<u>874.4</u>	A
	B-HALL	<u>1.166</u>	T
Q2	I-SET (from PSU)	<u>718.4</u>	A
	B-HALL	<u>-1.382</u>	T
Q3	I-SET (from PSU)	<u>336.0</u>	A
	B-HALL	<u>0.681</u>	T
D	I-READ	<u>2331</u>	A
	B-NMR	<u>1.854</u>	T
If momentum increased: <input type="checkbox"/> HMS cycled?			

Run Number: 1680
 LH2 10cm PS1: - Start time (from RC): 8:46
 LD2 10cm PS2: - Stop time (from RC): 9:07
 Dummy 10cm PS3: 4
 Optics#1 8cm PS4: -
 C 0.5% r.l.l PS5: -
 _____ PS6: -

Settings Verified? hTRIG1 rate: 171k hTRIG3 rate: 1147 hTRIG4 rate: 8.45k
 HV OK? hTRIG5 rate: 485 hTRIG6 rate: 420 Data ok
 50k OK? Junk

Comments: Data rate ~ 30 MB/s I_b = 20 μ A Events 1.31 M Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 3.32 (μ A)
Efficiency run Charge 21.4 mC

Run Number: 1681
 LH2 10cm PS1: - Start time (from RC): 9:11
 LD2 10cm PS2: - Stop time (from RC): 9:31
 Dummy 10cm PS3: 2
 Optics#1 8cm PS4: -
 C 0.5% r.l.l PS5: -
 _____ PS6: -

Settings Verified? hTRIG1 rate: 70k hTRIG3 rate: 1660 hTRIG4 rate: 4.2k
 HV OK? hTRIG5 rate: 191 hTRIG6 rate: 172 Data ok
 50k OK? Junk

Comments: Data rate ~ 34 MB/s I_b = 10 μ A Events 1.93 M Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 1.89 (μ A)
Efficiency run Charge 10.4 mC

Run Number: 1682
 LH2 10cm PS1: - Start time (from RC): 9:47
 LD2 10cm PS2: - Stop time (from RC): 10:29
 Dummy 10cm PS3: -
 Optics#1 8cm PS4: -
 C 0.5% r.l.l PS5: -
 _____ PS6: 0

Settings Verified? hTRIG1 rate: 316k hTRIG3 rate: 13.7k hTRIG4 rate: 10.7k
 HV OK? hTRIG5 rate: 1.0k hTRIG6 rate: 863 Data ok
 50k OK? Junk

Comments: Data rate ~ 40 MB/s I_b = 30 μ A Events 1.65 M Active trigger LiveTime fraction (NPS Scaler Gui) 99.87% Max NPS anode current (single crystal) 6.50 (μ A)
Efficiency run Charge 56.3 mC

Run Number: 1683
 LH2 10cm PS1: - Start time (from RC): 10:32
 LD2 10cm PS2: - Stop time (from RC): 10:53
 Dummy 10cm PS3: 4
 Optics#1 8cm PS4: -
 C 0.5% r.l.l PS5: -
 _____ PS6: -

Settings Verified? hTRIG1 rate: 311k hTRIG3 rate: 1524 hTRIG4 rate: 11.1k
 HV OK? hTRIG5 rate: 949 hTRIG6 rate: 769 Data ok
 50k OK? Junk

Comments: Data rate ~ 50 MB/s I_b = 30 μ A Events 1.71 M Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 6.42 (μ A)
Efficiency run Charge 30.8 mC

p(e,e' γ) p Run Sheet

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

Date: 23/10/07
yy mm dd

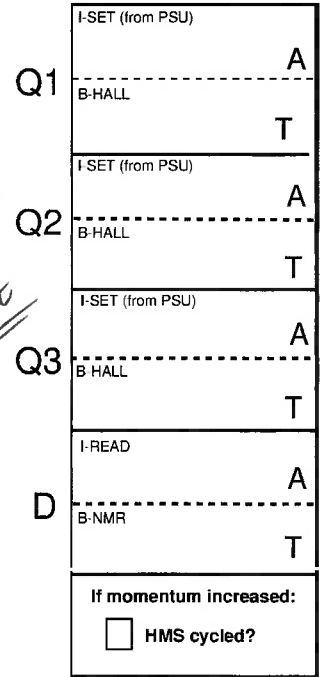
Initials: OJ

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KinC-x50-2
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____



E_{beam}: 10.5 GeV I_{beam}: _____ μ A

Raster: On Off
 Size: 2x2 mm

As previous run sheet

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

Beam position and angle on target:

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

SHMS
 θ (TV): _____
Nearest 0.005

NPS
 θ = SHMS
-16.30°
Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: <u>1684</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: - PS2: - PS3: <u>4</u> PS4: - PS5: - PS6: -	Start time (from RC): <u>10:53</u> Stop time (from RC): <u>10:57</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments: DAQ restarted to fix ERI hanging

Events _____ Charge _____ C

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

Run Number: <u>1685</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: - PS2: - PS3: <u>3</u> PS4: - PS5: - PS6: -	Start time (from RC): <u>11:02</u> Stop time (from RC): <u>11:22</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>180k</u>	hTRIG3 rate <u>1800</u>	hTRIG4 rate <u>7.2k</u>	hTRIG5 rate <u>416</u>	hTRIG6 rate <u>344</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Data rate ~ 25 MB/s I_b = 20 μ A Efficiency run

Events 1.13M Charge 20.2 mC

Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μ A) 4.44

Run Number: <u>1686</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: - PS2: - PS3: <u>2</u> PS4: - PS5: - PS6: -	Start time (from RC): <u>11:25</u> Stop time (from RC):	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>72k</u>	hTRIG3 rate <u>1495</u>	hTRIG4 rate <u>3.7k</u>	hTRIG5 rate <u>159</u>	hTRIG6 rate <u>142</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Data rate ~ 30 MB/s I_b = 10 μ A Efficiency run

Events 1.74M Charge 10.5 mC

Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μ A) 2.29

Run Number: <u>1687</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>11:59</u> Stop time (from RC): <u>12:45</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>512k</u>	hTRIG3 rate <u>18.3k</u>	hTRIG4 rate <u>15.1k</u>	hTRIG5 rate <u>2.0k</u>	hTRIG6 rate <u>1.7k</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Data rate ~ 90 MB/s I_b = 15 μ A

Events 4.12M Charge 34.0 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 99.72% Max NPS anode current (single crystal) (μ A) 4.31

p(e,e' γ) p Run Sheet

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

Date: 23/10/07
yy mm dd

Initials: OS

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KinC-x50-2
 coin_sparse
 coin

E_{beam}: 10.5 GeV I_{beam}: _____ μ A

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2 mm

Beam position and angle on target:

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

As previous run sheet

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

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

SHMS
 θ (TV): _____
Nearest 0.005

NPS
 θ = SHMS
-16.30°
Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: <u>1688</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> _____	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>13:05</u> Stop time (from RC): <u>13:52</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>505k</u>	hTRIG3 rate <u>18.3k</u>	hTRIG4 rate <u>14.9k</u>
					hTRIG5 rate <u>2.0k</u>	hTRIG6 rate <u>1.7k</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: Data rate ~ 80 MB/s I_b = 15 μ A

Events <u>3.69M</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.76%</u>	Max NPS anode current (single crystal) <u>4.50</u> (μ A)
Charge <u>35.9 nC</u>		

Run Number: <u>1689</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input checked="" type="checkbox"/> _____	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>13:55</u> Stop time (from RC): <u>13:57</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
					hTRIG5 rate	hTRIG6 rate	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: 50k test run, changing window size.

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

Run Number: <u>1690</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> _____	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>14:06</u> Stop time (from RC): <u>14:52</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>325k</u>	hTRIG3 rate <u>18.5k</u>	hTRIG4 rate <u>15.3k</u>
					hTRIG5 rate <u>1.3k</u>	hTRIG6 rate <u>1.1k</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: Data rate ~ 40 MB/s I_b = 15 μ A

Events <u>2.76M</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.84%</u>	Max NPS anode current (single crystal) <u>4.26</u> (μ A)
Charge <u>13.7 nC</u>		

Run Number: <u>1691</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/> _____	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>14:54</u> Stop time (from RC): <u>15:45</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>318k</u>	hTRIG3 rate <u>18.1k</u>	hTRIG4 rate <u>13.6k</u>
					hTRIG5 rate <u>1.3k</u>	hTRIG6 rate <u>1.1k</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: Data rate ~ 40 MB/s I_b = 15 μ A

Events <u>2.80M</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.94%</u>	Max NPS anode current (single crystal) <u>4.49</u> (μ A)
Charge <u>13.7 nC</u>		

p(e,e' γ) p Run Sheet

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

Date: 23/10/07
yy mm dd

Initials: OS

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KinC-x.50-2
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.5 GeV **I_{beam}:** _____ μ A

Raster: On Off
 Size: 2 x 2 mm

HMS
p: +/- _____ **θ (TV):** 12.470
From GUI Nearest 0.005

Beam position and angle on target:

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

SHMS **NPS**
 θ (TV): 36.990 **θ = SHMS** 23.600
Nearest 0.005 Nearest 0.005
-16.30°

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

I-SET (from PSU)	<u>874.0</u>	A
B-HALL	<u>1.166</u>	T
I-SET (from PSU)	<u>718.6</u>	A
B-HALL	<u>-1.382</u>	T
I-SET (from PSU)	<u>335.6</u>	A
B-HALL	<u>0.681</u>	T
I-READ	<u>2329</u>	A
B-NMR	<u>1.854</u>	T
If momentum increased: <input type="checkbox"/> HMS cycled?		

Run Number: <u>1692</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/>	PS1: - PS2: - PS3: <u>5</u> PS4: - PS5: - PS6: -	Start time (from RC): <u>15:48:57</u> Stop time (from RC): <u>16:39:00</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>315k</u>	hTRIG3 rate <u>1056</u>	hTRIG4 rate <u>15.4k</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Data rate ~ 30 MB/s I_b = 15 μ A Efficiency run
 Events _____ Charge _____ μ C Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μ A) _____

Run Number: <u>1693</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/>	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>16:42:35</u> Stop time (from RC): <u>17:47:42</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>319k</u>	hTRIG3 rate <u>18260</u>	hTRIG4 rate <u>15253</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Data rate ~ 50 MB/s I_b = 15 μ A
 Events _____ Charge _____ μ C Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μ A) _____

Run Number: <u>1694</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/>	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>17:49:10</u> Stop time (from RC): <u>18:46:08</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>320k</u>	hTRIG3 rate <u>18k</u>	hTRIG4 rate <u>15k</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Data rate ~ 50 MB/s I_b = 15 μ A
 Events _____ Charge _____ μ C Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μ A) _____

Run Number: <u>1695</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/>	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>18:48:10</u> Stop time (from RC): <u>19:23:25</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>319k</u>	hTRIG3 rate <u>18.2k</u>	hTRIG4 rate <u>15k</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: _____
 Events _____ Charge _____ μ C Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μ A) _____

p(e,e' γ) p Run Sheet

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

Date: 23/10/07
yy mm dd

Initials: YZ

Use a separate sheet for each configuration.

HMS

Configuration Name: KmC-x50-2

coin_sparse
coin

Purpose:

Production
 Test
 Optics
 Other: _____

E_{beam}: 10.5 GeV I_{beam}: _____ μ A

Raster: On Off
Size: 2x2 mm

HMS

p: +/- _____ θ (TV): 12.470
From GUI Nearest 0.005

Beam position and angle on target:

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

SHMS **NPS**

θ (TV): 36.9 θ = SHMS 23.6
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Q1	I-SET (from PSU) <u>874.41</u> A
	B-HALL <u>1.167</u> T
Q2	I-SET (from PSU) <u>718.35</u> A
	B-HALL <u>-1.384</u> T
Q3	I-SET (from PSU) <u>335.98</u> A
	B-HALL <u>0.679</u> T
D	I-READ <u>2331.33</u> A
	B-NMR <u>1.8538</u> T
If momentum increased: <input checked="" type="checkbox"/> HMS cycled?	

Run Number: <u>1696</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l. <input type="checkbox"/>	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>20:15:05</u> Stop time (from RC): <u>21:26:30</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>325K</u>	hTRIG3 rate <u>18.1K</u>	hTRIG4 rate <u>14.9K</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Data Rate: 30 MB/s I_{beam} = 15 μ A

Events 4053K Active trigger LiveTime fraction (NPS Scaler Gui) 99.55% Max NPS anode current (single crystal) _____ (μ A)
Charge 4961 μ C

Run Number: <u>1697</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l. <input type="checkbox"/>	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>21:36:42</u> Stop time (from RC): <u>22:34:05</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>200K</u>	hTRIG3 rate <u>14.9K</u>	hTRIG4 rate <u>12.4K</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Data Rate: 30 MB/s I_{beam} = 30 μ A

Events 1419K Active trigger LiveTime fraction (NPS Scaler Gui) 99.75% Max NPS anode current (single crystal) _____ (μ A)
Charge 8605 μ C

Run Number: <u>1698</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l. <input type="checkbox"/>	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>22:36:53</u> Stop time (from RC): <u>22:59:12</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>206K</u>	hTRIG3 rate <u>14K</u>	hTRIG4 rate <u>11.7K</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Data Rate: 30 MB/s I_{beam} = 30 μ A

Events 458K Active trigger LiveTime fraction (NPS Scaler Gui) 99.76% Max NPS anode current (single crystal) _____ (μ A)
Charge 1754 μ C

Run Number: <u>1699</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l. <input type="checkbox"/>	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>23:09:09</u> Stop time (from RC): <u>00:15</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>202K</u>	hTRIG3 rate <u>14.7K</u>	hTRIG4 rate <u>11.9K</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Data Rate: 30 MB/s I_{beam} = 30 μ A

Events 1437K Active trigger LiveTime fraction (NPS Scaler Gui) 99.85% Max NPS anode current (single crystal) _____ (μ A)
Charge 5712 μ C

p(e,e' γ) p Run Sheet

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

Date: 23/10/08
yy mm dd

Initials: H.V.

Use a separate sheet for each configuration.

HMS

Configuration Name: Kin C-X50-2

coin_sparse
coin

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

HMS

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

SHMS **NPS**

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

Collimator: _____ HMS: Large Sieve NPS Sweep Current _____

Purpose:

Production
 Test
 Optics
 Other: _____

Same

Raster: On Off
Size: _____

Beam position and angle on target:

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

Q1	I-SET (from PSU)	A
	B-HALL	T
Q2	I-SET (from PSU)	A
	B-HALL	T
Q3	I-SET (from PSU)	A
	B-HALL	T
D	I-READ	A
	B-NMR	T

If momentum increased:
 HMS cycled?

Run Number: 1700

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

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

Start time (from RC): 7:51 AM
Stop time (from RC): 8:44

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 200k
hTRIG3 rate: 14.5k
hTRIG4 rate: 12k
hTRIG5 rate: 883
hTRIG6 rate: 700

Data ok
 Junk

Comments: 30 M Bytes

Events: 1.84M
Charge: 0.070 μ C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 %
Max NPS anode current (single crystal): 5.1 μ A

Run Number: 1701

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

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

Start time (from RC): 8:49
Stop time (from RC): 9:37

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 212k
hTRIG3 rate: 15k
hTRIG4 rate: 12.5k
hTRIG5 rate: 840
hTRIG6 rate: 690

Data ok
 Junk

Comments: 30 M Bytes

Events: 1.87M
Charge: 0.073 μ C

Active trigger LiveTime fraction (NPS Scaler Gui): 99.9 %
Max NPS anode current (single crystal): 5.0 μ A

Run Number: _____

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

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

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

Settings Verified?
 HV OK?
 50k OK?

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

Data ok
 Junk

Comments: _____

Events: _____
Charge: _____ μ C

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

Run Number: _____

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

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

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

Settings Verified?
 HV OK?
 50k OK?

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

Data ok
 Junk

Comments: _____

Events: _____
Charge: _____ μ C

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

p(e,e' γ) p Run Sheet

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

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

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KinC-x60-3
 coin_sparse
 coin *OPTICS*

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: *10.540* GeV **I_{beam}:** _____ μ A

Raster: On Off
Size: *2x2*

HMS
p: +/- *5.878* θ (TV): *22.84*
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<i>1.52</i> mm		<i>0.006</i> mm
Nomin:		Nomin:
3H07C	X	Y
<i>0.52</i> mm		<i>0.004</i> mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): *3902* **θ = SHMS**
Nearest 0.005 ***-16.30***
Nearest 0.005

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

Q1	I-SET (from PSU) <i>766.94</i> A
	B-HALL <i>1.02440</i> T
Q2	I-SET (from PSU) <i>616.89</i> A
	B-HALL <i>-1.20382</i> T
Q3	I-SET (from PSU) <i>296.33</i> A
	B-HALL <i>0.59989</i> T
D	I-READ <i>2331.33</i> A
	B-NMR <i>1.85379</i> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: <i>1703</i>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate _____ hTRIG5 rate _____	hTRIG3 rate _____ hTRIG6 rate _____	hTRIG4 rate _____ <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Events _____ Charge _____ μ C
 Active trigger LiveTime fraction (NPS Scaler Gui) _____
 Max NPS anode current (single crystal) _____ μ A

Run Number: <i>1704</i>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <i>-1</i> PS2: <i>-1</i> PS3: <i>-1</i> PS4: <i>0</i> PS5: <i>-1</i> PS6: <i>-1</i>	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate _____ hTRIG5 rate _____	hTRIG3 rate _____ hTRIG6 rate _____	hTRIG4 rate _____ <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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No data, no beam. Kill rod/coin
 Events _____ Charge _____ μ C
 Active trigger LiveTime fraction (NPS Scaler Gui) _____
 Max NPS anode current (single crystal) _____ μ A

Run Number: <i>1705</i>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <i>-1</i> PS2: <i>-1</i> PS3: <i>-1</i> PS4: <i>0</i> PS5: <i>-1</i> PS6: <i>-1</i>	Start time (from RC): <i>18:18</i> Stop time (from RC): <i>18:29:21</i>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <i>7.6e5</i> hTRIG5 rate <i>58.4</i>	hTRIG3 rate <i>169.6</i> hTRIG6 rate <i>40.2</i>	hTRIG4 rate <i>42.0</i> <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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only 2 min. data with 30 μ A Beam.
 Events _____ Charge _____ μ C
 Active trigger LiveTime fraction (NPS Scaler Gui) _____
 Max NPS anode current (single crystal) _____ μ A

Run Number: <i>1706</i>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <i>-1</i> PS2: <i>-1</i> PS3: <i>-1</i> PS4: <i>0</i> PS5: <i>-1</i> PS6: <i>-1</i>	Start time (from RC): <i>18:30:51</i> Stop time (from RC): <i>19:00:34</i>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <i>7.6x10⁵</i> hTRIG5 rate <i>58.4</i>	hTRIG3 rate <i>169.6</i> hTRIG6 rate <i>40.2</i>	hTRIG4 rate <i>42.0</i> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Events *73481* Charge *33.45x10⁻³* μ C
 Active trigger LiveTime fraction (NPS Scaler Gui) _____
 Max NPS anode current (single crystal) *8.75* μ A

p(e,e' γ) p Run Sheet

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

Date: / /
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: HMS elastic
 coin_sparse
 coin

E_{beam}: 10.538 GeV I_{beam}: 33.69 μ A

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2

HMS
 p: +/- 21.68 θ (TV): 21.68
From GUI Nearest 0.005

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

Collimator: HMS: Large Sieve NPS Sweep Current

Beam position and angle on target:

3H07A	X	Y
<u>1.48</u> mm		<u>-0.003</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.48</u> mm		<u>-0.001</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU) <u>766.94</u> A
	B-HALL <u>1.2310</u> T
Q2	I-SET (from PSU) <u>616.89</u> A
	B-HALL <u>-1.20099</u> T
Q3	I-SET (from PSU) <u>296.33</u> A
	B-HALL <u>0.59585</u> T
D	I-READ <u>2331.33</u> A
	B-NMR <u>1.85379</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: <u>1707</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>19:07:46</u> Stop time (from RC): <u>19:38:40</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>8.06x10⁵</u>	hTRIG3 rate <u>199.5</u>	hTRIG4 rate <u>44.2</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: HMS at 21.68°

Events <u>81365</u> Charge <u>4594</u> $\times 10^3$ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A) <u>7.71</u>
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Run Number: <u>1708</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>19:45:52</u> Stop time (from RC): <u>20:16:45</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>8.7x10⁵</u>	hTRIG3 rate <u>252.5</u>	hTRIG4 rate <u>53.7</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: HMS at 20.54°

Events <u>97369</u> Charge <u>43.6</u> mC	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A) <u>9.15</u>
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Run Number: <u>1709</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l.i.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>01:28:37</u> Stop time (from RC): <u>01:48:53</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>99752</u>	hTRIG3 rate <u>83.9</u>	hTRIG4 rate <u>50.4</u>	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments: Typo set current Target = carbon 0.5%, HMS at 16.48°

Events <u>56535</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)
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Run Number: <u>1710</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l.i.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>02:34:06</u> Stop time (from RC): <u>02:44:09</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>90637</u>	hTRIG3 rate <u>115</u>	hTRIG4 rate <u>64.2</u>	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments: Typo set current 1909.46 In next run it is 1913

Events <u>38307</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)
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p(e,e' γ) p Run Sheet

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

Date: 23, 10, 09
yy mm dd

Initials: SKK

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
HMS B15 OPTIC 5
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.53 GeV **I_{beam}:** 30.15 μ A

Raster: On Off
Size: 2x2

Q1	I-SET (from FSU)	<u>766.94</u>	A
	B-HALL	<u>1.0960</u>	T
Q2	I-SET (from PSU)	<u>616.89</u>	A
	B-HALL	<u>-1.20404</u>	T
Q3	I-SET (from PSU)	<u>296.33</u>	A
	B-HALL	<u>0.59568</u>	T
D	I-READ	<u>1911.42</u>	A
	B-NMR	<u>1.62176</u>	T

If momentum increased:
 HMS cycled?

HMS
p: +0.58780 **θ (TV):** 16.48
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.496</u>	mm	<u>0.001</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.494</u>	mm	<u>-0.01</u> mm
Nomin:		Nomin:

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

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: <u>1711</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>03:04:47</u> Stop time (from RC): <u>04:05:08</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>90924</u>	hTRIG3 rate <u>113.9</u>	hTRIG4 rate <u>64.4</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: we have to stop it because of no beam for around half hour.

Events 134856 Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μ A) _____
 Charge _____ C

Run Number: <u>1712</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>04:55:21</u> Stop time (from RC): <u>07:00:54</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>90231</u>	hTRIG3 rate <u>111.2</u>	hTRIG4 rate <u>61.4</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Events 450K Active trigger LiveTime fraction (NPS Scaler Gui) ~100% Max NPS anode current (single crystal) (μ A) _____
 Charge _____ C

Run Number: <u>1713</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input checked="" type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>07:17:13</u> Stop time (from RC): <u>08:32:01</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>39274.6</u>	hTRIG3 rate <u>75.2</u>	hTRIG4 rate <u>52.3</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Events 232681 Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μ A) _____
 Charge 0.11 C

Run Number: <u>1714</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>09:27:30</u> Stop time (from RC): <u>09:49:45</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>6.7x10⁴</u>	hTRIG3 rate <u>189.0</u>	hTRIG4 rate <u>49.2</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: target to LH2 HMS to 22.84°, Large collimator,

Events 136728 Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) (μ A) 8.1
 Charge 6559 μ C

HMS Elastic

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

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

Date: / /
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
HMS Elastic
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: elastic

E_{beam} : 10.539 GeV I_{beam} : 30.24 μ A

Raster: On Off
 Size: 2X2

Q1	I-SET (from PSU)	<u>766.94</u>	A
	B-HALL	<u>1.02270</u>	T
Q2	I-SET (from PSU)	<u>616.89</u>	A
	B-HALL	<u>-1.19942</u>	T
Q3	I-SET (from PSU)	<u>296.33</u>	A
	B-HALL	<u>0.59835</u>	T
D	I-READ	<u>1911.42</u>	A
	B-NMR	<u>1.62175</u>	T

If momentum increased:
 HMS cycled?

HMS
 p : +0.58780 θ (TV): 21.68
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.49</u>	mm	<u>-0.019</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.68</u>	mm	<u>-0.027</u> mm
Nomin:		Nomin:

SHMS
 θ (TV): 35.02
Nearest 0.005

NPS
 θ = SHMS
-16.30°
Nearest 0.005

Collimator: HMS: Large Sieve
 NPS Sweep Current: ramp down

Run Number: <u>1715</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>11:05:27</u> Stop time (from RC): <u>12:10:12</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>6.46×10^5</u> hTRIG5 rate: <u>59.7</u>	hTRIG3 rate: <u>221.5</u> hTRIG6 rate: <u>44.4</u>	hTRIG4 rate: <u>74.9</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: HMS to 21.68

Events: <u>279696</u> Charge: <u>94.56 mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal): <u>8.02</u> (μ A)
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Run Number: <u>1716</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>12:18:40</u> Stop time (from RC): <u>13:00:4 13:00:4</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>6.14×10^5</u> hTRIG5 rate: <u>80.2</u>	hTRIG3 rate: <u>326.4</u> hTRIG6 rate: <u>55.9</u>	hTRIG4 rate: <u>145.6</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: HMS to 20.54

Events: <u>386042</u> Charge: <u>74 mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal): <u>7.82</u> (μ A)
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Run Number: <u>1717</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l.i.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>14:37:33</u> Stop time (from RC): <u>15:07:39</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>71479.2</u> hTRIG5 rate: <u>42.5</u>	hTRIG3 rate: <u>118.4</u> hTRIG6 rate: <u>40.7</u>	hTRIG4 rate: <u>66.4</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Target = Carbon 0.5%, NPS sweeper = ON, HMS to 16.48 deg., Sieve collimator

Events: <u>115380</u> Charge: <u>48 mC</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal): <u>1.21</u> (μ A)
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Run Number: <u>1718</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input checked="" type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>15:24:04</u> Stop time (from RC): <u>16:45</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>30898.1</u> hTRIG5 rate: <u>40.7</u>	hTRIG3 rate: <u>81.4</u> hTRIG6 rate: <u>40.5</u>	hTRIG4 rate: <u>55.2</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Target = Optics 1 1/2 cm

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

p(e,e' γ) p Run Sheet

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

Date: / /
 yy mm dd

Initials:

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse
 coin

E_{beam}: 10.539 GeV I_{beam}: _____ μ A

HMS

p: +/- 35.02 θ (TV): _____
From GUI Nearest 0.005

SHMS **NPS**

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

Collimator: HMS: Large Sieve NPS Sweep Current

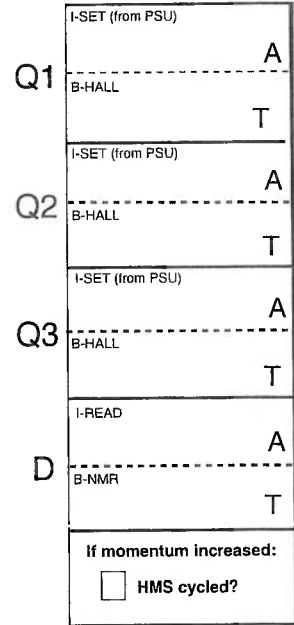
Purpose:

Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2

Beam position and angle on target:

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



Run Number: <u>1719</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>16:54</u> Stop time (from RC): <u>17:29</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>73132</u>	hTRIG3 rate <u>110</u>	hTRIG4 rate <u>63</u>
Comments:				Events _____ Charge <u>C</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>1.13</u> (μ A)	

Run Number: <u>1720</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input checked="" type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>7</u> PS3: <u>-1</u> PS4: <u>0</u> PS5: <u>7</u> PS6: <u>-1</u>	Start time (from RC): <u>18:41</u> Stop time (from RC): <u>18:18</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
Comments:				Events _____ Charge <u>C</u>	hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
					Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)	

Run Number: <u>1721</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>7</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>7</u> PS6: <u>0</u>	Start time (from RC): <u>18:39</u> Stop time (from RC): <u>18:55</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>785410⁵</u>	hTRIG3 rate <u>3096.1</u>	hTRIG4 rate <u>2199.6</u>
Comments:	<u>I = 15 μA</u>			Events _____ Charge <u>C</u>	hTRIG5 rate <u>363</u>	hTRIG6 rate <u>402</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
					Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A) <u>3.83</u>	

Run Number: <u>1722</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>7</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>7</u> PS6: <u>0</u>	Start time (from RC): <u>18:56</u> Stop time (from RC): <u>19:15</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.68x06</u>	hTRIG3 rate <u>5953</u>	hTRIG4 rate <u>420</u>
Comments:	<u>I = 30 μA</u>			Events _____ Charge <u>C</u>	hTRIG5 rate <u>21317</u>	hTRIG6 rate <u>15909</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
					Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)	

p(e,e'γ) p Run Sheet

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

Date: / /
yy mm dd

Initials:

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

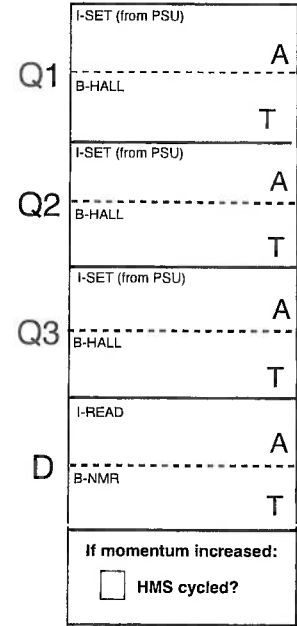
coin_sparse
 coin

Purpose:

Production
 Test
 Optics
 Other: _____

E_{beam}: 10.588 GeV I_{beam}: _____ μA

Raster: On Off
 Size: _____



HMS

p: +/- _____ θ(TV): 12.99
 From GUI Nearest 0.005

Beam position and angle on target:

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

SHMS **NPS**

θ(TV): 36.88 θ = SHMS -36.88
 Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current ON

If momentum increased:
 HMS cycled?

Run Number: <u>1723</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>20:11</u> Stop time (from RC): <u>21:07</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>4.65x05</u> hTRIG5 rate <u>1831.7</u>	hTRIG3 rate <u>18190</u> hTRIG6 rate <u>1521.7</u>	hTRIG4 rate <u>14921</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>15 KA</u>				Events _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)	

Run Number: <u>1724</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>21:08</u> Stop time (from RC): <u>21:55</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>2.67x05</u> hTRIG5 rate <u>791.3</u>	hTRIG3 rate <u>12812</u> hTRIG6 rate <u>665.8</u>	hTRIG4 rate <u>10151</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>10 KA</u>				Events _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)	

Run Number: <u>1725</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>21:56</u> Stop time (from RC): <u>22:40</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.14e+05</u> hTRIG5 rate <u>229</u>	hTRIG3 rate <u>6190.5</u> hTRIG6 rate <u>199.8</u>	hTRIG4 rate <u>5133.2</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>5 KA</u>				Events <u>469K</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)	

Run Number: <u>1726</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>22:42</u> Stop time (from RC): <u>22:55</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.12e+05</u> hTRIG5 rate <u>225.2</u>	hTRIG3 rate <u>6125.3</u> hTRIG6 rate <u>197.0</u>	hTRIG4 rate <u>5105.9</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>Sparsification off 5 KA</u>				Events _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)	<u>1.57</u>

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

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

Date: / /
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse
coin

Purpose:

- Production
 Test
 Optics
 Other: _____

E_{beam} : 10.557 GeV I_{beam} : _____ μA

Raster: On Off
Size: _____

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

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

Beam position and angle on target:

3H07A	X	Y
1.50 mm	-0.03 mm	
Nomin:	Nomin:	
3H07C	X	Y
0.51 mm	0.006 mm	
Nomin:	Nomin:	

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

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

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: 1727

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

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

Start time (from RC): 23:10 Stop time (from RC): 23:51

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 2.79+05 hTRIG3 rate: 19827.7 hTRIG4 rate: 12368.1
hTRIG5 rate: 978.8 hTRIG6 rate: 828.9

Data ok Junk

Comments: coin_sparse

Events: 1687K Charge: _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 1728

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

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

Start time (from RC): 23:53 Stop time (from RC): 00:16

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.66+05 hTRIG3 rate: 10029.9 hTRIG4 rate: 8387.4
hTRIG5 rate: 476.9 hTRIG6 rate: 409.2

Data ok Junk

Comments: coin_sparse, Beam off from MCC. 20 μA

Events: 428K Charge: _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 1729

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

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

Start time (from RC): 00:37:39 Stop time (from RC): 00:59:03

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.71 x 10⁵ hTRIG3 rate: 9933 hTRIG4 rate: 8288
hTRIG5 rate: 462.0 hTRIG6 rate: 421.3

Data ok Junk

Comments: coin_sparse, 20 μA, Again Beam off

Events: 255K Charge: _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

Run Number: 1730

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

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

Start time (from RC): 01:15:56 Stop time (from RC): 01:35:12

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.67 x 10⁵ hTRIG3 rate: 9663 hTRIG4 rate: 8128
hTRIG5 rate: 453 hTRIG6 rate: 384

Data ok Junk

Comments: coin_sparse, 20 μA

Events: 409K Charge: _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

Max NPS anode current (single crystal) (μA)

p(e,e' γ) p Run Sheet

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

Date: 23, 10, 10
yy mm dd

Initials: SKK

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse

coin

Purpose:

Production

Test

Optics

Other: _____

E_{beam}: 10.557 GeV I_{beam}: _____ μ A

Raster: On Off

Size: _____

HMS

p: +/- _____ θ (TV): 12.49
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.50</u>	mm	<u>0.07</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.50</u>	mm	<u>0.00</u> mm
Nomin:		Nomin:

SHMS **NPS**

θ (TV): 36.88 θ = SHMS -16.30
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

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

Run Number: 1731

LH2 10cm PS1: -1

LD2 10cm PS2: -1

Dummy 10cm PS3: -1

Optics#1 8cm PS4: -1

C 0.5% r.l.i. PS5: -1

_____ PS6: 0

Start time (from RC): 01:37:55

Stop time (from RC): 02:19:38

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate: 73195

hTRIG3 rate: 4929

hTRIG4 rate: 4919

hTRIG5 rate: 164

hTRIG6 rate: 151

Data ok

Junk

Comments: coin sparse, 10 uA

Events 360K

Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____

Max NPS anode current (single crystal) 1.92 (μ A)

Run Number: 1732

LH2 10cm PS1: -1

LD2 10cm PS2: -1

Dummy 10cm PS3: -1

Optics#1 8cm PS4: -1

C 0.5% r.l.i. PS5: -1

_____ PS6: 0

Start time (from RC): 02:23:40

Stop time (from RC): 02:34:03

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate: 69568

hTRIG3 rate: 5088

hTRIG4 rate: 4276

hTRIG5 rate: 162

hTRIG6 rate: 145.2

Data ok

Junk

Comments: sparsification off, 10 uA

Events 88K

Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____

Max NPS anode current (single crystal) 1.78 (μ A)

Run Number: 1733

LH2 10cm PS1: -1

LD2 10cm PS2: -1

Dummy 10cm PS3: 4

Optics#1 8cm PS4: -1

C 0.5% r.l.i. PS5: -1

_____ PS6: -1

Start time (from RC): 02:39:22

Stop time (from RC): 03:00:01

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate: 73093

hTRIG3 rate: 5110

hTRIG4 rate: 4203

hTRIG5 rate: 170.2

hTRIG6 rate: 145.3

Data ok

Junk

Comments: coin sparse, 10 uA, efficiency run

Events 634K

Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____

Max NPS anode current (single crystal) 1.81 (μ A)

Run Number: 1734

LH2 10cm PS1: -1

LD2 10cm PS2: -1

Dummy 10cm PS3: -1

Optics#1 8cm PS4: -1

C 0.5% r.l.i. PS5: -1

_____ PS6: 0

Start time (from RC): 04:26:47

Stop time (from RC): 05:03:43

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate: 3.09x10⁵

hTRIG3 rate: 13768

hTRIG4 rate: 10709

hTRIG5 rate: 941.6

hTRIG6 rate: 724.6

Data ok

Junk

Comments: 30 uA

Events 933K

Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____

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

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

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

Date: / /
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse

coin

Purpose:

Production

Test

Optics

Other: _____

E_{beam} : _____ GeV

I_{beam} : _____ μA

Raster: On Off

Size: _____

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

HMS

p : +/- _____ $\theta(TV)$: 12.49
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
1.51	mm	0.00
Nomin:		
3H07C	X	Y
0.51	mm	0.01
Nomin:		

SHMS

$\theta(TV)$: 36.88
Nearest 0.005

NPS

$\theta = SHMS$
-16.30°
Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: <u>1735</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>05:28:38</u> Stop time (from RC): <u>06:10:26</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>4.51 x 10⁵</u> hTRIG5 rate <u>1829</u>	hTRIG3 rate <u>17775</u> hTRIG6 rate <u>1957</u>	hTRIG4 rate <u>14525</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk	Events <u>3.4 M</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>4.60</u> (μA)
Comments: <u>15 μA</u>										

Run Number: <u>1736</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>06:15:06</u> Stop time (from RC): <u>06:58:03</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>14863</u> hTRIG5 rate <u>3156</u>	hTRIG3 rate <u>18002</u> hTRIG6 rate <u>2630</u>	hTRIG4 rate <u>14750</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk	Events <u>6.1 M</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>4.88</u> (μA)
Comments: <u>15 μA, CLUSTER-PAIR-THR = 600 CLUSTER-READOUT-THR = 500</u>										

Run Number: <u>1737</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>06:59:19</u> Stop time (from RC): <u>07:43:08</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>8.66 x 10⁵</u> hTRIG5 rate <u>3174</u>	hTRIG3 rate <u>18106</u> hTRIG6 rate <u>2566</u>	hTRIG4 rate <u>14687</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk	Events <u>6 M</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>4.59</u> (μA)
Comments: <u>15 μA</u>										

Run Number: <u>1738</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>07:44:19</u> Stop time (from RC): <u>08:30</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>8.38 x 10⁵</u> hTRIG5 rate <u>3291</u>	hTRIG3 rate <u>17883</u> hTRIG6 rate <u>2734</u>	hTRIG4 rate <u>15012</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk	Events <u>6.2 M</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>4.44</u> (μA)
Comments: _____										

p(e,e'γ) p Run Sheet

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

Date: 23/10/10
yy mm dd

Initials: DA

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse

coin

E_{beam}: _____ GeV

I_{beam}: _____ μA

Purpose:

Production

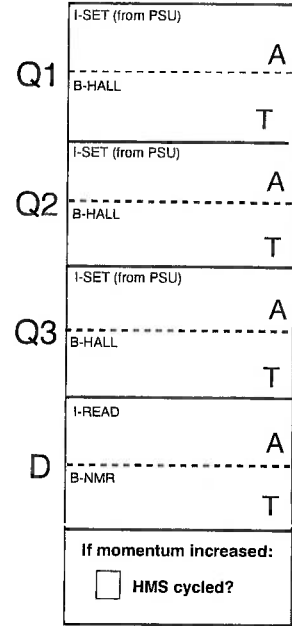
Test

Optics

Other: _____

Raster: On Off

Size: _____



HMS

p: +/- _____ θ(TV): 12.40
From GUI Nearest 0.005

SHMS

θ(TV): 36.88
Nearest 0.005

NPS

θ = SHMS -16.30°
Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
1.5 mm		0 mm
Nomin:		Nomin:
3H07C	X	Y
0.5 mm		-0.0 mm
Nomin:		Nomin:

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: 1739

LH2 10cm

LD2 10cm

Dummy 10cm

Optics#1 8cm

C 0.5% r.l.l

PS1: -1

PS2: -1

PS3: 5

PS4: -1

PS5: -1

PS6: -1

Start time (from RC): 08:31

Stop time (from RC): 08:54

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate: 8.3 x 10⁵

hTRIG3 rate: 18334

hTRIG4 rate: 15133

hTRIG5 rate: 3321

hTRIG6 rate: 2529

Data ok

Junk

Comments: PS3=5 run.

Events 230A

Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____

Max NPS anode current (single crystal) 4.50 (μA)

Run Number: 1740

LH2 10cm

LD2 10cm

Dummy 10cm

Optics#1 8cm

C 0.5% r.l.l

PS1: -1

PS2: -1

PS3: -1

PS4: -1

PS5: -1

PS6: 0

Start time (from RC): 08:59

Stop time (from RC): 09:07

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate: _____

hTRIG3 rate: _____

hTRIG4 rate: _____

hTRIG5 rate: _____

hTRIG6 rate: _____

Data ok

Junk

Comments: coin, stopped the run to change prescale from "0" to "3"

Events 15312

Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____

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

Run Number: 1741

LH2 10cm

LD2 10cm

Dummy 10cm

Optics#1 8cm

C 0.5% r.l.l

PS1: -1

PS2: -1

PS3: -1

PS4: -1

PS5: -1

PS6: 3

Start time (from RC): 09:02

Stop time (from RC): 09:14

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate: 8.4 x 10⁵

hTRIG3 rate: 1793A

hTRIG4 rate: 14620

hTRIG5 rate: 14253

hTRIG6 rate: 1894

Data ok

Junk

Comments: coin

Events 34712

Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____

Max NPS anode current (single crystal) 4.25 (μA)

Run Number: 1742

LH2 10cm

LD2 10cm

Dummy 10cm

Optics#1 8cm

C 0.5% r.l.l

PS1: -1

PS2: -1

PS3: -1

PS4: -1

PS5: -1

PS6: 3

Start time (from RC): 09:23

Stop time (from RC): 09:37

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate: 5 x 10⁵

hTRIG3 rate: 14477

hTRIG4 rate: 12251

hTRIG5 rate: 1708

hTRIG6 rate: 1207

Data ok

Junk

Comments: coin

Events 188

Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui) _____

Max NPS anode current (single crystal) 5.26 (μA)

p(e,e') p Run Sheet

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

Date: 23/10/10
yy mm dd

Initials: DA

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse

coin

E_{beam}: 10.54 GeV I_{beam}: 30 μA

Purpose:

Production

Test

Optics

Other: _____

Raster: On Off

Size: 2x2 mm

Q1	I-SET (from PSU)	A
	B-HALL	T
Q2	I-SET (from PSU)	A
	B-HALL	T
Q3	I-SET (from PSU)	A
	B-HALL	T
D	I-READ	A
	B-NMR	T

If momentum increased:
 HMS cycled?

HMS

p: +/- _____ θ(TV): 12.29
From GUI Nearest 0.005°

Beam position and angle on target:

3H07A	X	Y
<u>1.5</u> mm		<u>0.07</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.57</u> mm		<u>0.03</u> mm
Nomin:		Nomin:

SHMS

θ(TV): 31.8 θ = **SHMS**
Nearest 0.005° **-16.30°** Nearest 0.005°

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: 1743 LH2 10cm PS1: -1 Start time (from RC): 09:39 Settings Verified? hTRIG1 rate: 4.9x10⁵ hTRIG3 rate: 14752 hTRIG4 rate: 12298

LD2 10cm PS2: -1 Stop time (from RC): 10:28 HV OK? hTRIG5 rate: 1559 hTRIG6 rate: 1333 Data ok

Dummy 10cm PS3: -1 50k OK? Junk

Optics#1 8cm PS4: -1 Events 3-4M Active trigger LiveTime fraction (NPS Scaler Gui): 100% Max NPS anode current (single crystal): 5.12 (μA)

C 0.5% r.l. PS5: -1 Charge _____ C

Comments: coin-sparse @ 30 uA

Run Number: 1744 LH2 10cm PS1: -1 Start time (from RC): 10:29 Settings Verified? hTRIG1 rate: 5.12x10⁵ hTRIG3 rate: 14842 hTRIG4 rate: 12205

LD2 10cm PS2: -1 Stop time (from RC): 11:04 HV OK? hTRIG5 rate: 1652 hTRIG6 rate: 1343 Data ok

Dummy 10cm PS3: -1 50k OK? Junk

Optics#1 8cm PS4: -1 Events 2-3M Active trigger LiveTime fraction (NPS Scaler Gui): _____ Max NPS anode current (single crystal): 5.26 (μA)

C 0.5% r.l. PS5: -1 Charge _____ C

Comments: coin-sparse @ 30 uA

Run Number: 1745 LH2 10cm PS1: -1 Start time (from RC): 10:38 Settings Verified? hTRIG1 rate: _____ hTRIG3 rate: _____ hTRIG4 rate: _____

LD2 10cm PS2: -1 Stop time (from RC): 11:48 HV OK? hTRIG5 rate: _____ hTRIG6 rate: _____ Data ok

Dummy 10cm PS3: -1 50k OK? Junk

Optics#1 8cm PS4: -1 Events 691k Active trigger LiveTime fraction (NPS Scaler Gui): _____ Max NPS anode current (single crystal): _____ (μA)

C 0.5% r.l. PS5: -1 Charge _____ C

Comments: There was beam only for about a min.

Run Number: 1746 LH2 10cm PS1: -1 Start time (from RC): 11:54 Settings Verified? hTRIG1 rate: 4.9x10⁵ hTRIG3 rate: 14583 hTRIG4 rate: 12315

LD2 10cm PS2: -1 Stop time (from RC): 12:16 HV OK? hTRIG5 rate: 1673 hTRIG6 rate: 1423 Data ok

Dummy 10cm PS3: -1 50k OK? Junk

Optics#1 8cm PS4: -1 Events 1-3M Active trigger LiveTime fraction (NPS Scaler Gui): _____ Max NPS anode current (single crystal): 4.72 (μA)

C 0.5% r.l. PS5: -1 Charge _____ C

Comments: coin-sparse @ 30 uA

p(e,e') p Run Sheet

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

Date: 23/10/10
yy mm dd

Initials: DA

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse

coin

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

Purpose:

Production

Test

Optics

Other: _____

Raster: On Off

Size: 2x2 mm

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

HMS

p: +/- _____ θ(TV): 12.49

From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
1.5 mm		0.0 mm
Nomin:		Nomin:
3H07C	X	Y
0.5 mm		0.03 mm
Nomin:		Nomin:

SHMS

θ(TV): 31.88

Nearest 0.005

NPS

θ = SHMS -16.30°

Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: 1747	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: -1	Start time (from RC): 12:17	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate 2.75x10 ⁵	hTRIG3 rate 9896	hTRIG4 rate 8534
		PS2: -1			Stop time (from RC): 12:29	hTRIG5 rate 655	hTRIG6 rate 570
Comments: coin_sparse @ 20 uA		PS3: -1	Events 3201	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) 3.80 (μA)		
		PS4: -1	Charge _____ C				
		PS5: -1					
		PS6: 0					

Run Number: 1748	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: -1	Start time (from RC): 12:34	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate 2.75x10 ⁵	hTRIG3 rate 9340	hTRIG4 rate 8285
		PS2: -1			Stop time (from RC): 12:46	hTRIG5 rate 662	hTRIG6 rate 574
Comments: coin_sparse @ 20 uA		PS3: -1	Events 3301	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) 3.60 (μA)		
		PS4: -1	Charge _____ C				
		PS5: -1					
		PS6: 0					

Run Number: 1749	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: -1	Start time (from RC): 13:02	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate 2.8x10 ⁵	hTRIG3 rate 9972	hTRIG4 rate 8294
		PS2: -1			Stop time (from RC): 13:50	hTRIG5 rate 654	hTRIG6 rate 545
Comments: coin_sparse @ 20 uA		PS3: -1	Events 1491	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) 3.47 (μA)		
		PS4: -1	Charge _____ C				
		PS5: -1					
		PS6: 0					

Run Number: 1750	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: -1	Start time (from RC): 13:51	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate 2.8x10 ⁵	hTRIG3 rate 9909	hTRIG4 rate 8208
		PS2: -1			Stop time (from RC): 13:57	hTRIG5 rate 566	hTRIG6 rate 574
Comments: coin_sparse @ 20 uA		PS3: -1	Events 1261	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) 2.96 (μA)		
		PS4: -1	Charge _____ C				
		PS5: -1					
		PS6: 0					

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

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

Date: 23/10/10
yy mm dd

Initials: DA

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse

coin

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

Purpose:

- Production
- Test
- Optics
- Other: _____

Raster: On Off

Size: 2x2 mm

Beam position and angle on target:

3H07A	X	Y
<u>1.5</u> mm		<u>0</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>1.5</u> mm		<u>0</u> mm
Nomin:		Nomin:

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

HMS

θ : +/- _____ θ (TV): 12.41
From GUI Nearest 0.005

SHMS **NPS**

θ (TV): 31.88 θ = SHMS _____
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: 1751

LH2 10cm PS1: -1

LD2 10cm PS2: -1

Dummy 10cm PS3: -1

Optics#1 8cm PS4: -1

C 0.5% r.l.l PS5: -1

_____ PS6: 0

Start time (from RC): 13:57

Stop time (from RC): 14:49

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.09 x 10⁵ hTRIG3 rate: 5220 hTRIG4 rate: 4159

hTRIG5 rate: 212 hTRIG6 rate: 177

Data ok Junk

Comments: coin sparse @ 10 uA

Events 51012 Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 1.97 (μ A)

Charge _____ C

Run Number: 1752

LH2 10cm PS1: -1

LD2 10cm PS2: -1

Dummy 10cm PS3: 0

Optics#1 8cm PS4: -1

C 0.5% r.l.l PS5: -1

_____ PS6: -1

Start time (from RC): 14:50

Stop time (from RC): 15:27

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 1.12 x 10⁵ hTRIG3 rate: 4925 hTRIG4 rate: 4035

hTRIG5 rate: 214 hTRIG6 rate: 187

Data ok Junk

Comments: coin sparse @ 10 uA efficiency run with pss=1

Events 54M Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) 1.89 (μ A)

Charge _____ C

Run Number: _____

LH2 10cm PS1: _____

LD2 10cm PS2: _____

Dummy 10cm PS3: _____

Optics#1 8cm PS4: _____

C 0.5% r.l.l PS5: _____

_____ PS6: _____

Start time (from RC): _____

Stop time (from RC): _____

Settings Verified? HV OK? 50k OK?

hTRIG1 rate _____ hTRIG3 rate _____ hTRIG4 rate _____

hTRIG5 rate _____ hTRIG6 rate _____

Data ok Junk

Comments: _____

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

Charge _____ C

Run Number: _____

LH2 10cm PS1: _____

LD2 10cm PS2: _____

Dummy 10cm PS3: _____

Optics#1 8cm PS4: _____

C 0.5% r.l.l PS5: _____

_____ PS6: _____

Start time (from RC): _____

Stop time (from RC): _____

Settings Verified? HV OK? 50k OK?

hTRIG1 rate _____ hTRIG3 rate _____ hTRIG4 rate _____

hTRIG5 rate _____ hTRIG6 rate _____

Data ok Junk

Comments: _____

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

Charge _____ C

p(e,e') p Run Sheet

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

Date 23/10/10
yy mm dd

Initials: DA

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse
 coin

E_{beam}: 10.5 GeV I_{beam}: 20 μA

HMS 5.878
p: +/- ~~5.878~~ θ(TV): 16.485
From GUI Nearest 0.005

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

Collimator: HMS: Large Sieve NPS Sweep Current

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
Size: 1x2 mm

Beam position and angle on target:

3H07A	X	Y
<u>1.5</u> mm		<u>-0.02</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.5</u> mm		<u>0.005</u> mm
Nomin:		Nomin:

I-SET (from PSU)		
Q1	<u>766.95</u> A	
B-HALL	<u>1.0219</u> T	
I-SET (from PSU)		
Q2	<u>616.89</u> A	
B-HALL	<u>-1.2</u> T	
I-SET (from PSU)		
Q3	<u>296.33</u> A	
B-HALL	<u>0.5969</u> T	
I-READ		
D	<u>1911.09</u> A	
B-NMR	<u>1.62167</u> T	
If momentum increased: <input type="checkbox"/> HMS cycled?		

Run Number: <u>1753</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>15:57</u> Stop time (from RC): <u>16:44:52</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.7 x 10⁵</u> hTRIG5 rate: <u>1442</u>	hTRIG3 rate: <u>3970</u> hTRIG6 rate: <u>1007</u>	hTRIG4 rate: <u>2882</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: _____

Events 256470 Active trigger LiveTime fraction (NPS Scaler Gui) 99.96% Max NPS anode current (single crystal) 4.53 (μA)
Charge 45.31 C

Run Number: <u>1754</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>-</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>0</u>	Start time (from RC): <u>16:46:05</u> Stop time (from RC): <u>16:51:48</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
Comments: _____					hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk

Comments: HMS Q3 tripped off

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

Run Number: <u>1755</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>-</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>0</u>	Start time (from RC): <u>18:34:28</u> Stop time (from RC): <u>18:34:57</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
Comments: _____					hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk

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

Run Number: <u>1756</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>-</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>0</u>	Start time (from RC): <u>18:36:08</u> Stop time (from RC): <u>19:23:42</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.65e⁶</u> hTRIG5 rate: <u>1412</u>	hTRIG3 rate: <u>4009</u> hTRIG6 rate: <u>1050</u>	hTRIG4 rate: <u>2907</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: _____

Events 2755973 Active trigger LiveTime fraction (NPS Scaler Gui) 99.87% Max NPS anode current (single crystal) 4.4 (μA)
Charge 49.24 C

p(e,e' γ) p Run Sheet

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

Date: / /
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse
coin

E_{beam}: 10.5 GeV I_{beam}: 20 μ A

HMS
p: +/- -5.878 θ (TV): 16.485
From GUI Nearest 0.005

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

Collimator: HMS: Large Sieve NPS Sweep Current

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
Size: 7x2 mm

Beam position and angle on target:

3H07A	X	Y
1.5 mm	-0.02 mm	
Nomin:	Nomin:	
3H07C	X	Y
0.5 mm	0.005 mm	
Nomin:	Nomin:	

Q1	I-SET (from PSU)	766.94	A
	B-HALL	1.024	T
Q2	I-SET (from PSU)	616.89	A
	B-HALL	-1.202	T
Q3	I-SET (from PSU)	296.34	A
	B-HALL	0.5979	T
D	I-READ	1911.84	A
	B-NMR	1.622	T

If momentum increased:
 HMS cycled?

Run Number: 1757

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

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

Start time (from RC): 19:25:24
Stop time (from RC): 20:22:51

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 1.63e6 hTRIG3 rate: 4007 hTRIG4 rate: 2881
hTRIG5 rate: 149 hTRIG6 rate: 1036

Data ok
 Junk

Comments: I = 20 μ A

Events: 261650 Active trigger LiveTime fraction (NPS Scaler Gui): 99.87% Max NPS anode current (single crystal): (μ A)

Run Number: 1758

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

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

Start time (from RC): 20:26:21
Stop time (from RC): 21:15:54

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 1.11e6 hTRIG3 rate: 2788 hTRIG4 rate: 2022
hTRIG5 rate: 687 hTRIG6 rate: 518

Data ok
 Junk

Comments: I = 14 μ A

Events: 131459 Active trigger LiveTime fraction (NPS Scaler Gui): 99.96% Max NPS anode current (single crystal): 3.26 μ A

Run Number: 1759

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

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

Start time (from RC): 21:18:59
Stop time (from RC): 22:10:32

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 4.76e5 hTRIG3 rate: 1453 hTRIG4 rate: 1068
hTRIG5 rate: 199.8 hTRIG6 rate: 157.9

Data ok
 Junk

Comments: I = 7 μ A

Events: 396455 Active trigger LiveTime fraction (NPS Scaler Gui): 100.07% Max NPS anode current (single crystal): 1.81 μ A

Run Number: 1760

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

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

Start time (from RC): 22:24:57
Stop time (from RC): 23:15:42

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 7.52 x 10⁵ hTRIG3 rate: 2432 hTRIG4 rate: 1892
hTRIG5 rate: 433 hTRIG6 rate: 353

Data ok
 Junk

Comments: 30 μ A

Events: 937188 Active trigger LiveTime fraction (NPS Scaler Gui): 99.92% Max NPS anode current (single crystal): 3.52 μ A

p(e,e' γ) p Run Sheet

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

Date: / /
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse
coin

E_{beam}: 10.5 GeV I_{beam}: ~~16.485~~ μ A

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2 mm

HMS
 p: +/- -5.878 θ (TV): 16.485
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
1.5 mm	-0.02 mm	
Nomin:	Nomin:	
3H07C	X	Y
0.5 mm	0.05 mm	
Nomin:	Nomin:	

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

Collimator: HMS: Large Sieve NPS Sweep Current

Q1	I-SET (from PSU) 766.94 A	B-HALL 1.023 T
Q2	I-SET (from PSU) 616.89 A	B-HALL -1.203 T
Q3	I-SET (from PSU) 296.34 A	B-HALL 0.597 T
D	I-READ 1911.84 A	B-NMR 1.62167 T
If momentum increased: <input type="checkbox"/> HMS cycled?		

Run Number: 1761	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: 0	Start time (from RC): 23:18:02 Stop time (from RC): 23:24:50	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: 7.63 x 10 ⁵ hTRIG3 rate: 2522 hTRIG4 rate: 1921 hTRIG5 rate: 467 hTRIG6 rate: 371	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: End Run so MCC can send Tune beam			Events: 97788 Charge: 1.2 mC	Active trigger LiveTime fraction (NPS Scaler Gui): 99.93%	Max NPS anode current (single crystal) (μA)	

Run Number: 1762	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: 0	Start time (from RC): 00:12:36 Stop time (from RC): 01:11:58	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: 7.63 x 10 ⁵ hTRIG3 rate: 2522 hTRIG4 rate: 1921 hTRIG5 rate: 467 hTRIG6 rate: 371	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 30 μA			Events: 1467M Charge: C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA): 4.25	

Run Number: 1763	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: 0	Start time (from RC): 01:12:57 Stop time (from RC): 02:05:45	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: 7.83 x 10 ⁵ hTRIG3 rate: 2436 hTRIG4 rate: 1821 hTRIG5 rate: 433 hTRIG6 rate: 447	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 30 μA			Events: 1.039M Charge: C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA): 4.15	

Run Number: 1764	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: 0	Start time (from RC): 02:07:11 Stop time (from RC): 02:50:18	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: 7.33 x 10 ⁵ hTRIG3 rate: 2528 hTRIG4 rate: 1911 hTRIG5 rate: 442 hTRIG6 rate: 451	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: 30 μA			Events: 0.84M Charge: C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA): 4.21	

p(e,e' γ) p Run Sheet

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

Date: 23, 10, 11
yy mm dd

Initials: SKK

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse
coin

E_{beam}: 10.5 GeV I_{beam}: _____ μ A

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2

Beam position and angle on target:

3H07A	X	Y
<u>1.49</u> mm		<u>0.0</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.49</u> mm		<u>-0.008</u> mm
Nomin:		Nomin:

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

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

SHMS **NPS**
 θ (TV): 35.04 θ = SHMS -16.30
Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: <u>1765</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>02:57:10</u> Stop time (from RC): <u>03:37:59</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>4.31 x 10⁵</u> hTRIG3 rate: <u>1659</u> hTRIG4 rate: <u>1225</u>	hTRIG5 rate: <u>209.7</u> hTRIG6 rate: <u>183</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>20 uA</u>			Events <u>397K</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>1.08</u> (μ A)		

Run Number: <u>1766</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>03:42:15</u> Stop time (from RC): <u>04:23:20</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.79 x 10⁵</u> hTRIG3 rate: <u>843</u> hTRIG4 rate: <u>647</u>	hTRIG5 rate: <u>94.6</u> hTRIG6 rate: <u>81.9</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>10 uA</u>			Events <u>193K</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>1.08</u> (μ A)		

Run Number: <u>1767</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>04:40:49</u> Stop time (from RC): <u>05:01:29</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>8.12 x 10⁵</u> hTRIG3 rate: <u>2292</u> hTRIG4 rate: <u>1566</u>	hTRIG5 rate: <u>433</u> hTRIG6 rate: <u>323</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>30 uA</u>			Events <u>302K</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>5.81</u> (μ A)		

Run Number: <u>1768</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>05:13:00</u> Stop time (from RC): <u>05:54:06</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.61 x 10⁶</u> hTRIG3 rate: <u>3969</u> hTRIG4 rate: <u>2801</u>	hTRIG5 rate: <u>1290</u> hTRIG6 rate: <u>985</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>20 uA</u>			Events <u>2.137M</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>4.38</u> (μ A)		

p(e,e' γ)p Run Sheet

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

Date: 23, 10, 11
yy mm dd

Initials: SKK

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse
 coin

E_{beam}: 10.539 GeV I_{beam}: _____ μ A

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2

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

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

SHMS **NPS**
 θ (TV): 35.04 $\theta =$ SHMS
Nearest 0.005 -16.30° Nearest 0.005

Beam position and angle on target:

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

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: <u>1769</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>05:55:24</u> Stop time (from RC): <u>06:45:19</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.57x10⁶</u>	hTRIG3 rate <u>3926</u>	hTRIG4 rate <u>2840</u>
Comments: <u>20 μA</u>			Events <u>2.3 M</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	hTRIG5 rate <u>1307</u>	hTRIG6 rate <u>993</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
					Max NPS anode current (single crystal) <u>4.82</u> (μ A)		

Run Number: <u>1770</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>06:46:30</u> Stop time (from RC): <u>07:09:47</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.61x10⁶</u>	hTRIG3 rate <u>4005</u>	hTRIG4 rate <u>2906</u>
Comments: <u>20 μA, Beam stop at 7:00</u>			Events <u>701 K</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	hTRIG5 rate <u>1311</u>	hTRIG6 rate <u>980</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
					Max NPS anode current (single crystal) <u>4.83</u> (μ A)		

Run Number: <u>1771</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): <u>10:31</u> Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
Comments: <u>Cosmics</u>			Events _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
					Max NPS anode current (single crystal) (μ A)		

Run Number: <u>1772</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): <u>13:10</u> Stop time (from RC): <u>13:13</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
Comments: <u>LED DAC = 53</u>			Events _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
					Max NPS anode current (single crystal) (μ A)		

p(e,e' γ) p Run Sheet

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

Date: / / Initials:
 yy mm dd

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse

coin

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

Purpose:

Production

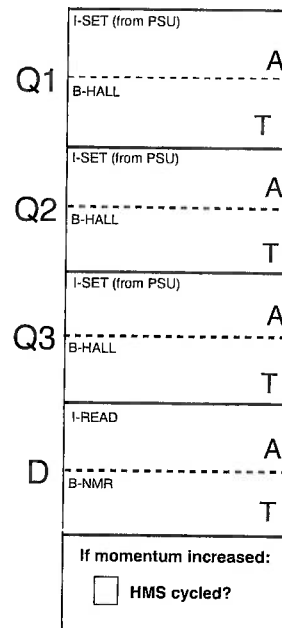
Test

Optics

Other: _____

Raster: On Off

Size: _____



HMS

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

SHMS **NPS**

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

Beam position and angle on target:

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

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: 1773	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): 13:15 Stop time (from RC): 13:39	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: LED DAC=52

Events _____ Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

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

Run Number: 1774	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): 14:53 Stop time (from RC): 15:36	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: cosmics

Events 4159 Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

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

Run Number: 1775	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): 23:25	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: cosmic

Events _____ Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

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

Run Number: 1776-1794	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
-----------------------	---	--	---	--	-------------	-------------	-------------	-------------	-------------	--

Comments: cosmics runs with issue on ~~the~~ and the tests after fixed it.

Events _____ Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

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

p(e,e' γ) p Run Sheet

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

Date: 23/10/12
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse

coin

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

Purpose:

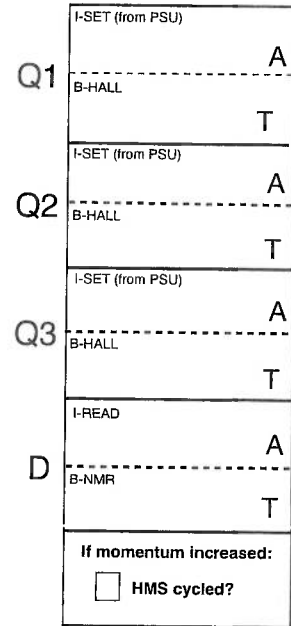
- Production
- Test
- Optics
- Other: _____

Raster: On Off

Size: 2x2

Beam position and angle on target:

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



HMS

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

SHMS **NPS**

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

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: 1795

LH2 10cm PS1: 0

LD2 10cm PS2: 0

Dummy 10cm PS3: -1

Optics#1 8cm PS4: -1

C 0.5% r.l.l PS5: -1

out of beam PS6: -1

Start time (from RC): 07:56:42

Stop time (from RC): 12:11:19

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate hTRIG3 rate hTRIG4 rate

hTRIG5 rate hTRIG6 rate Data ok

Junk

Comments: Cosmic run.

Events 15519 Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) (μ A)

Charge _____ C

Run Number: 1796

LH2 10cm PS1: 0

LD2 10cm PS2: 0

Dummy 10cm PS3: -1

Optics#1 8cm PS4: -1

C 0.5% r.l.l PS5: -1

out of beam 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

Comments: Test for NPS current and scalers.

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

Charge _____ C

Run Number: 1801

LH2 10cm PS1: -1

LD2 10cm PS2: -1

Dummy 10cm PS3: -1

Optics#1 8cm PS4: -1

C 0.5% r.l.l PS5: -1

_____ PS6: 0

Start time (from RC): 21:06:04

Stop time (from RC): 22:20:37

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate 1.32e6 hTRIG3 rate 4096.5 hTRIG4 rate 2778.2

hTRIG5 rate 114.0 hTRIG6 rate 799.0 Data ok

Junk

Comments: _____

Events 2,860,387 Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) (μ A)

Charge 61.8 nC

Run Number: 1802

LH2 10cm PS1: -1

LD2 10cm PS2: -1

Dummy 10cm PS3: -1

Optics#1 8cm PS4: -1

C 0.5% r.l.l PS5: -1

_____ PS6: 0

Start time (from RC): 22:22:14

Stop time (from RC): 23:23:44

Settings Verified?

HV OK?

50k OK?

hTRIG1 rate 1.34e6 hTRIG3 rate 4066.7 hTRIG4 rate 2880.9

hTRIG5 rate 1186.1 hTRIG6 rate 839.0 Data ok

Junk

Comments: _____

Events 2,587,918 Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) (μ A)

Charge 56.8 nC

p(e,e' γ) p Run Sheet

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

Date: 23, 10, 12
yy mm dd

Initials: ORC

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse

coin

Purpose:

Production

Test

Optics

Other: _____

E_{beam}: -5.078 GeV I_{beam}: _____ μ A

Raster: On Off

Size: 2x2

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

HMS

p: +/- _____ θ (TV): _____

From GUI Nearest 0.005

Beam position and angle on target:

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

SHMS **NPS**

θ (TV): _____ θ = SHMS _____

Nearest 0.005 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: <u>1803</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i. <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>23:25:19</u> Stop time (from RC): <u>00:08:19</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
					hTRIG5 rate	hTRIG6 rate	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: _____

Events 171000 Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ μ A

Charge 36.5 C

Run Number: <u>1804</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i. <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>5</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>06:11:00</u> Stop time (from RC): <u>0:17:00</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
					hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk

Comments: Efficiency/Beam went away

Events 1117 Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ μ A

Charge 0 C

Run Number: <u>1805</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i. <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>5</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>00:28:54</u> Stop time (from RC): <u>01:00:26</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>26e5</u>	hTRIG3 rate <u>1056.9</u>	hTRIG4 rate
					hTRIG5 rate <u>118</u>	hTRIG6 rate <u>90.4</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: Beam at SQA due to A tune ongoing. Efficiency Back at.

Events 25958 Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ μ A

Charge 19.66 C

Run Number: <u>1806</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i. <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>3</u>	Start time (from RC): <u>01:03:57</u> Stop time (from RC): <u>01:24:51</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.28e6</u>	hTRIG3 rate <u>400.8</u>	hTRIG4 rate <u>2890</u>
					hTRIG5 rate <u>1117.8</u>	hTRIG6 rate <u>842.6</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Comments: sparse off.

Events 200,236 Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ μ A

Charge 21.86 C

p(e,e' γ) p Run Sheet

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

Date: 23, 10, 13
yy mm dd

Initials: DR

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse
coin

E_{beam}: 5.878 GeV I_{beam}: 0 μ A

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2cm

Beam position and angle on target:

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

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

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

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

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: <u>1807</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>02:51:24</u> Stop time (from RC): <u>03:31:42</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>5.9e5</u>	hTRIG3 rate <u>2486.7</u>	hTRIG4 rate <u>1835.2</u>
Comments: <u>MU has trouble getting us? OMA. Beam Back = 2:45 12.5MB/sec</u>	Events <u>565975</u> Charge <u>50.35 C</u>		Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk		

1st 40min

Run Number: <u>1808</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>03:33:13</u> Stop time (from RC): <u>03:36:08</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>5.89e5</u>	hTRIG3 rate <u>2436.4</u>	hTRIG4 rate <u>1805.7</u>
Comments: <u>Junk No beam</u>	Events _____ Charge <u>0</u> C		Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk		

Run Number: <u>1809</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>03:52:17</u> Stop time (from RC): <u>04:32:09</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>5.89e5</u>	hTRIG3 rate <u>2436.4</u>	hTRIG4 rate <u>1805.7</u>
Comments: <u>12.5MB/sec</u>	Events <u>588184</u> Charge <u>52.94 C</u>		Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk		

2nd 40min

Run Number: <u>1810</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>04:33:56</u> Stop time (from RC): <u>05:01:14</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>5.94e5</u>	hTRIG3 rate <u>2508.2</u>	hTRIG4 rate <u>1859.8</u>
Comments: <u>very floppy beam End due to beam off.</u>	Events _____ Charge _____ C		Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk		

3rd 40min

p(e,e' γ) p Run Sheet

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

Date: 23/10/17
yy mm dd

Initials: DT

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KmC x 603

coin_sparse
 coin

E_{beam}: -5.878 GeV I_{beam}: 30 μ A

HMS

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

SHMS **NPS**

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

Collimator: HMS: Large Sieve NPS Sweep Current

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2

Beam position and angle on target:

3H07A	X	Y
<u>1.704</u> mm		<u>0.297</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.689</u> mm		<u>0.272</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU)	<u>766.99</u>	A
	B-HALL	<u>1.01830</u>	T
Q2	I-SET (from PSU)	<u>616.9530</u>	A
	B-HALL	<u>-1.2001</u>	T
Q3	I-SET (from PSU)	<u>296.23</u>	A
	B-HALL	<u>0.57797</u>	T
D	I-READ	<u>1909.3</u>	A
	B-NMR	<u>1.6217200</u>	T

If momentum increased:
 HMS cycled?

Run Number: 1811

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

Start time (from RC): 05:31:26
 Stop time (from RC): 06:18:10

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 6.02e⁵ hTRIG3 rate: 243.2 hTRIG4 rate: 1076.5
 hTRIG5 rate: 360.1 hTRIG6 rate: 297.6

Data ok
 Junk

Comments: Beam back ~ 5:30am 12.5 MB/sec

Events: 57211 Active trigger LiveTime fraction (NPS Scaler Gui): _____ Max NPS anode current (single crystal) (μ A): _____
 Charge: 50.11 C

Run Number: 1812

LH2 10cm PS1: -1
 LD2 10cm PS2: -1
 Dummy 10cm PS3: 5
 Optics#1 8cm PS4: -1
 C 0.5% r.l.l PS5: -1
 _____ PS6: -1

Start time (from RC): 06:19:35
 Stop time (from RC): 06:37:00

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 5.82e⁵ hTRIG3 rate: 2339.6 hTRIG4 rate: 1887
 hTRIG5 rate: 346.6 hTRIG6 rate: 297.0

Data ok
 Junk

Comments: ESG scans 4 MB/sec Beam off end. 5-pass separator?

Events: 8780 Active trigger LiveTime fraction (NPS Scaler Gui): _____ Max NPS anode current (single crystal) (μ A): _____
 Charge: 15.76 C

Run Number: 1813

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

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

Settings Verified?
 HV OK?
 50k OK?

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

Data ok
 Junk

Comments: junk prescale too high

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

Run Number: 1814

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

Start time (from RC): 8:58
 Stop time (from RC): 9:28

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 47.5 kHz hTRIG3 rate: 2.1 kHz hTRIG4 rate: 1.5 kHz
 hTRIG5 rate: 279 Hz hTRIG6 rate: 231 Hz

Data ok
 Junk

Comments: started @ 20 μ A, stepped up to 30 μ A

Events: 43.9k Active trigger LiveTime fraction (NPS Scaler Gui): 100% Max NPS anode current (single crystal) (μ A): 4.38
 Charge: 39.4 nC

p(e,e' γ) p Run Sheet

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

Date: 23/10/13
yy mm dd

Initials: RS

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KinC-x60-3
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

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

Raster: On Off
 Size: 2x2

Q1	I-SET (from PSU) <u>766.99</u> A	B-HALL <u>1.0250</u> T
Q2	I-SET (from PSU) <u>616.955</u> A	B-HALL <u>-1.20501</u> T
Q3	I-SET (from PSU) <u>296.233</u> A	B-HALL <u>0.5973</u> T
D	I-READ <u>1909.3</u> A	B-NMR <u>1.62172</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?		

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

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u> mm		<u>0.27</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.67</u> mm		<u>0.29</u> mm
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): 35.015 θ = SHMS 18.715
Nearest 0.005 Nearest 0.005
 -16.30°

Collimator: HMS: Large Sieve
 NPS Sweep Current 468

Run Number: 1815
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.

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

Start time (from RC): 9:39
 Stop time (from RC): 10:05

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 63.9 kHz hTRIG3 rate: 2.4 kHz hTRIG4 rate: 1.5 kHz
 hTRIG5 rate: 353 Hz hTRIG6 rate: 264 Hz

Data ok
 Junk

Comments: First 5 minutes start at 10 μ A (30 μ A nom)

Events 391k Charge 35.00 Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 5.61 (μ A)

Run Number: 1816
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.

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

Start time (from RC): 10:07
 Stop time (from RC): 10:27

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 12.3 kHz hTRIG3 rate: 635 Hz hTRIG4 rate: 464 Hz
 hTRIG5 rate: 63.9 Hz hTRIG6 rate: 57.7 Hz

Data ok
 Junk

Comments: 8 μ A

Events 70.8k Charge 8.53 mC Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 1.46 (μ A)

Run Number: 1817
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.

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

Start time (from RC): 10:39
 Stop time (from RC): 11:28

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 1.3 kHz hTRIG3 rate: 4 kHz hTRIG4 rate: 2.9 kHz
 hTRIG5 rate: 1.2 kHz hTRIG6 rate: 878 Hz

Data ok
 Junk

Comments: 20 μ A

Events 2.0M Charge 432 mC Active trigger LiveTime fraction (NPS Scaler Gui) 99.99% Max NPS anode current (single crystal) 4.84 (μ A)

Run Number: 1818
 LH2 10cm
 LD2 10cm
 Dummy 10cm
 Optics#1 8cm
 C 0.5% r.l.

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

Start time (from RC): 11:27
 Stop time (from RC): 11:57

Settings Verified?
 HV OK?
 50k OK?

hTRIG1 rate: 1.3 kHz hTRIG3 rate: 4.1 kHz hTRIG4 rate: 3.0 kHz
 hTRIG5 rate: 1.2 kHz hTRIG6 rate: 879 Hz

Data ok
 Junk

Comments: 20 μ A

Events 1.4M Charge 30 mC Active trigger LiveTime fraction (NPS Scaler Gui) 99.98% Max NPS anode current (single crystal) 4.97 (μ A)

p(e,e' γ) p Run Sheet

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

Date: 23/10/13
yy mm dd

Initials: OS

Use a separate sheet for each configuration.

HMS

Configuration Name: kinC_x60-3

coin_sparse
coin

E_{beam}: 10.538 GeV I_{beam}: 20 μ A

HMS
p: +0.588 θ (TV): 16.47
From GUI Nearest 0.005

SHMS **NPS**
 θ (TV): 35.015 θ = SHMS 18.715
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468.0

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
Size: 2x2 mm

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.71</u>	mm	<u>0.52</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU)	<u>766.99</u>	A
	B-HALL	<u>1.022</u>	T
Q2	I-SET (from PSU)	<u>616.955</u>	A
	B-HALL	<u>-1.203</u>	T
Q3	I-SET (from PSU)	<u>296.233</u>	A
	B-HALL	<u>0.600</u>	T
D	I-READ	<u>1911.93</u>	A
	B-NMR	<u>1.62172</u>	T
If momentum increased: <input type="checkbox"/> HMS cycled?			

Run Number: <u>1819</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>12:08</u> Stop time (from RC): <u>13:00</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.3 MHz</u> hTRIG5 rate: <u>1.2 kHz</u>	hTRIG3 rate: <u>4.1 kHz</u> hTRIG6 rate: <u>846 Hz</u>	hTRIG4 rate: <u>3.0 kHz</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 1HWP = IN (was out)

Events: <u>2.3 M</u> Charge: <u>52.2 μC</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>99.97%</u>	Max NPS anode current (single crystal): <u>4.75 μA</u>
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Run Number: <u>1820</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>13:01</u> Stop time (from RC): <u>13:40</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>3.3 MHz</u> hTRIG5 rate: <u>3.1 kHz</u>	hTRIG3 rate: <u>4.0 kHz</u> hTRIG6 rate: <u>824 Hz</u>	hTRIG4 rate: <u>2.9 kHz</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

Events: <u>1.7 M</u> Charge: <u>37.7 μC</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>-</u>	Max NPS anode current (single crystal): <u>- μA</u>
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Run Number: <u>1821</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>13:42</u> Stop time (from RC): <u>14:24</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.3 MHz</u> hTRIG5 rate: <u>1.2 kHz</u>	hTRIG3 rate: <u>4.0 kHz</u> hTRIG6 rate: <u>834 Hz</u>	hTRIG4 rate: <u>2.9 kHz</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

Events: <u>1.8 M</u> Charge: <u>40.9 μC</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>99.94%</u>	Max NPS anode current (single crystal): <u>5.07 μA</u>
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Run Number: <u>1822</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>14:25</u> Stop time (from RC): <u>15:05</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.2 MHz</u> hTRIG5 rate: <u>1.1 kHz</u>	hTRIG3 rate: <u>4.1 kHz</u> hTRIG6 rate: <u>811 Hz</u>	hTRIG4 rate: <u>3.0 kHz</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments:

Events: <u>1.6 M</u> Charge: <u>36.6 μC</u>	Active trigger LiveTime fraction (NPS Scaler Gui): <u>99.97%</u>	Max NPS anode current (single crystal): <u>4.43 μA</u>
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p(e,e' γ) p Run Sheet

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

Date: 23/10/13
yy mm dd

Initials: OS

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KinC-x60-3
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 20 μ A

Raster: On Off
 Size: 2x2 mm

HMS
 p: +0.5878 θ (TV): 16.47
From GUI Nearest 0.005

SHMS **NPS**
 θ (TV): 35.015 θ = SHMS 18.715
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468.0

Beam position and angle on target:

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

Q1	I-SET (from PSU)	<u>766.99</u>	A
	B-HALL	<u>1.02</u>	T
Q2	I-SET (from PSU)	<u>616.955</u>	A
	B-HALL	<u>-1.204</u>	T
Q3	I-SET (from PSU)	<u>296-233</u>	A
	B-HALL	<u>0.60</u>	T
D	I-READ	<u>1911.93</u>	A
	B-NMR	<u>1.62172</u>	T
If momentum increased: <input type="checkbox"/> HMS cycled?			

Run Number: <u>1823</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>15:08</u> Stop time (from RC): <u>15:31</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.2 kHz</u>	hTRIG3 rate <u>4 kHz</u>	hTRIG4 rate <u>2.8 kHz</u>
Comments: <u>Efficiency</u>				Events <u>261</u> Charge <u>24.4 μC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>N/A</u>	Max NPS anode current (single crystal) <u>4.6 μA</u>	

Run Number: <u>1824</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>15:33</u> Stop time (from RC): <u>17:07:22</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>820 kHz</u>	hTRIG3 rate <u>2.9 kHz</u>	hTRIG4 rate <u>2 kHz</u>
Comments: <u>40 min run at 14 μA</u>				Events <u>1221930</u> Charge <u>34.54 μC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.96%</u>	Max NPS anode current (single crystal) <u>3.14 μA</u>	

Run Number: <u>1825</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>17:17:01</u> Stop time (from RC): <u>18:32:41</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>361 k</u>	hTRIG3 rate <u>1451.6</u>	hTRIG4 rate <u>1071.7</u>
Comments: <u>40 min run at 7 μA</u>				Events <u>553685</u> Charge <u>23.77 μC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>2.09 μA</u>	

Run Number: <u>1826</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>18:45:26</u> Stop time (from RC): <u>19:42:44</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>578 k</u>	hTRIG3 rate <u>2451.0</u>	hTRIG4 rate <u>1873.2</u>
Comments: <u>target moved to LH2, 40 min at 30 μA (first)</u>				Events <u>834842</u> Charge <u>77.36 μC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>99.972%</u>	Max NPS anode current (single crystal) <u>3.89 μA</u>	

p(e,e' γ) p Run Sheet

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

Date 23 10 2014 Initials: _____
 yy mm dd

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
kinC_60_3

coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.538 GeV I_{beam}: 30.75 μ A

Raster: On Off
 Size: 2x2 mm

HMS
 p: +05.878 θ (TV): 16.47
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.699</u> mm		<u>0.308</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.699</u> mm		<u>0.31</u> mm
Nomin:		Nomin:

SHMS **NPS**

θ (TV): 35.015 θ = SHMS 18.715
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Q1	I-SET (from PSU) <u>766.44</u> A
	B-HALL <u>1.02130</u> T
Q2	I-SET (from PSU) <u>616.89</u> A
	B-HALL <u>-1.20146</u> T
Q3	I-SET (from PSU) <u>296.34</u> A
	B-HALL <u>0.60236</u> T
D	I-READ <u>1911.93</u> A
	B-NMR <u>1.62172</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: <u>1827</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>19:46:08</u>	Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK? <input checked="" type="checkbox"/>	hTRIG1 rate <u>549 K</u>	hTRIG3 rate <u>2383.4</u>	hTRIG4 rate <u>1806</u>
Comments: <u>40min at 30 μA (second)</u>			Stop time (from RC): <u>20:40:39</u>		hTRIG5 rate <u>345.1</u>	hTRIG6 rate <u>276.1</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Events <u>901599</u> Charge <u>85.01 μC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100 %</u>	Max NPS anode current (single crystal) <u>3.49</u> (μ A)
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Run Number: <u>1828</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>20:42:37</u>	Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK? <input checked="" type="checkbox"/>	hTRIG1 rate <u>564 K</u>	hTRIG3 rate <u>2469.9</u>	hTRIG4 rate <u>1863.4</u>
Comments: <u>40min at 30 μA (third)</u>			Stop time (from RC): <u>21:21:32</u>		hTRIG5 rate <u>365.3</u>	hTRIG6 rate <u>285.7</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Events <u>633089</u> Charge <u>59.6 μC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100 %</u>	Max NPS anode current (single crystal) <u>3.86</u> (μ A)
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Run Number: <u>1829</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>21:23:54</u>	Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK? <input type="checkbox"/>	hTRIG1 rate <u>557 K</u>	hTRIG3 rate <u>2458.6</u>	hTRIG4 rate <u>1849.7</u>
Comments: <u>40min at 30 μA (fourth)</u>			Stop time (from RC): <u>22:17:19</u>		hTRIG5 rate <u>346.4</u>	hTRIG6 rate <u>278.9</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Events <u>731472</u> Charge <u>68.74 μC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100 %</u>	Max NPS anode current (single crystal) <u>2.95</u> (μ A)
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Run Number: <u>1830</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i.	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>22:20:11</u>	Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK? <input checked="" type="checkbox"/>	hTRIG1 rate <u>331 K</u>	hTRIG3 rate <u>1617.2</u>	hTRIG4 rate <u>1232.6</u>
Comments: <u>40min at 20 μA</u>			Stop time (from RC): <u>23:02:54</u>		hTRIG5 rate <u>183.3</u>	hTRIG6 rate <u>155.6</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Events <u>392241</u> Charge <u>45.64 μC</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100 %</u>	Max NPS anode current (single crystal) <u>2.67</u> (μ A)
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p(e,e' γ) p Run Sheet

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

Date: 23/10/14
yy mm dd

Initials: H.V.

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KinC-60-3

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10540 GeV I_{beam}: 10.08 μ A

Raster: On Off
Size: 2x2 mm²

HMS
p: +0.5898 θ (TV): 16.47
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.687</u> mm		<u>0.29</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.68</u> mm		<u>0.29</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU) <u>766.94</u> A
	B-HALL <u>1.024</u> T
Q2	I-SET (from PSU) <u>616.88</u> A
	B-HALL <u>-1.20229</u> T
Q3	I-SET (from PSU) <u>296.34</u> A
	B-HALL <u>0.60183</u> T
D	I-READ <u>1911.96</u> A
	B-NMR <u>1.62172</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

SHMS **NPS**
 θ (TV): 35.015 θ = SHMS 18.715
 Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 467.933

Run Number: <u>1831</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>23:11:55</u> Stop time (from RC): <u>23:57</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>151k</u> hTRIG5 rate <u>83.9</u>	hTRIG3 rate <u>861.5</u> hTRIG6 rate <u>75.4</u>	hTRIG4 rate <u>664</u> <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 40 min at 10 μ A

Events 204k Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 1.56 (μ A)
Charge 0.023 C

Run Number: <u>1832</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/>	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>-</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>0</u>	Start time (from RC): <u>00:43</u> Stop time (from RC): <u>01:05</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>587k</u> hTRIG5 rate <u>364</u>	hTRIG3 rate <u>2.3k</u> hTRIG6 rate <u>240</u>	hTRIG4 rate <u>1.6k</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: data Rate 7.5 MByte/sec I_{beam} = 30 μ A

Events 264k Active trigger LiveTime fraction (NPS Scaler Gui) 99.98% Max NPS anode current (single crystal) 5.69 (μ A)
Charge 0.030 C

Run Number: <u>1833</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/>	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>-</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>6</u>	Start time (from RC): <u>01:08</u> Stop time (from RC): <u>1:32</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>120k</u> hTRIG5 rate <u>65</u>	hTRIG3 rate <u>620</u> hTRIG6 rate <u>60</u>	hTRIG4 rate <u>470</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: data Rate 2 MByte/sec I_{beam} = 8 μ A

Events 471k Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 1.79 (μ A)
Charge 0.0087 C

Run Number: <u>1834</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/>	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>-</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>0</u>	Start time (from RC): <u>01:45</u> Stop time (from RC): <u>02:31</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1294k</u> hTRIG5 rate <u>1.4k</u>	hTRIG3 rate <u>4.07k</u> hTRIG6 rate <u>800</u>	hTRIG4 rate <u>2.9k</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: data Rate 45 MByte/sec I_{beam} = 20 μ A

Events 1930k Active trigger LiveTime fraction (NPS Scaler Gui) 99.91 Max NPS anode current (single crystal) 4.7 (μ A)
Charge 0.043 C

p(e,e' γ) p Run Sheet

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

Date: 23/10/14
yy mm dd

Initials: AV

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KinC-x60.3
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

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

Raster: On Off
 Size: 2x2

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

Beam position and angle on target:

3H07A	X	Y
<u>1.701</u>	mm	<u>0.293</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.705</u>	mm	<u>0.297</u> mm
Nomin:		Nomin:

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

SHMS θ (TV): 35.115
Nearest 0.005

NPS θ = SHMS -16.30
Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468.0

Run Number: <u>1835</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>2:32</u> Stop time (from RC): <u>3:04</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1260K</u> hTRIG3 rate <u>4.02K</u> hTRIG4 rate <u>2.9K</u> hTRIG5 rate <u>1.08K</u> hTRIG6 rate <u>820</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: data Rate 48 MByte/sec I_{beam} = 20 μ A
Short Run (No Beam)

Events 337K Charge 0.015C
 Active trigger LiveTime fraction (NPS Scaler Gui) 99.9%
 Max NPS anode current (single crystal) 4.7 (μ A)

Run Number: <u>1836</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>03:18</u> Stop time (from RC): <u>4:03</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1250K</u> hTRIG3 rate <u>4.06K</u> hTRIG4 rate <u>2.9K</u> hTRIG5 rate <u>1.15K</u> hTRIG6 rate <u>820</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: data Rate 45 MByte/sec I_{beam} = 20 μ A
Last 20 min No Beam

Events 928K Charge 0.049C
 Active trigger LiveTime fraction (NPS Scaler Gui) 100%
 Max NPS anode current (single crystal) 4.68 (μ A)

Run Number: <u>1837</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>4:34</u> Stop time (from RC): <u>5:19</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1230K</u> hTRIG3 rate <u>4.07K</u> hTRIG4 rate <u>2.92K</u> hTRIG5 rate <u>1.12K</u> hTRIG6 rate <u>845</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Data Rate - 45 MByte/sec I_{beam} = 20 μ A

Events 1925K Charge 0.043C
 Active trigger LiveTime fraction (NPS Scaler Gui) 99.93%
 Max NPS anode current (single crystal) 4.64 (μ A)

Run Number: <u>1838</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>5:20</u> Stop time (from RC): <u>6:08</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1255K</u> hTRIG3 rate <u>4.1K</u> hTRIG4 rate <u>2.93K</u> hTRIG5 rate <u>1.12K</u> hTRIG6 rate <u>820K</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Data Rate 45 MByte/sec I_{beam} = 20 μ A

Events 1916 Charge 0.043C
 Active trigger LiveTime fraction (NPS Scaler Gui) 99.93%
 Max NPS anode current (single crystal) 4.96 (μ A)

p(e,e' γ) p Run Sheet

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

Date: ___/___/___
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KinC-x60-3
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

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

Raster: On Off
Size: 2x2

HMS
p: +/- -5.877 θ (TV): 16.47
From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.694</u>	mm	<u>0.298</u>
Nomin:		Nomin:
3H07C	X	Y
<u>0.893</u>	mm	<u>0.290</u>
Nomin:		Nomin:

SHMS **NPS**
 θ (TV): 35.115 **θ = SHMS**
Nearest 0.005 **-16.30°** Nearest 0.005

Collimator: **HMS: Large** **Sieve** **NPS Sweep Current**
468.0

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

Run Number: <u>1839</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i. <input type="checkbox"/>	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>06:10</u> Stop time (from RC): <u>06:56</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1225k</u>	hTRIG3 rate <u>4.02k</u>	hTRIG4 rate <u>2.91k</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: *Data Rate 45 MByte/sec I_{beam} = 20 μ A*

Events: 1945k **Active trigger LiveTime fraction (NPS Scaler Gui):** 99.92 **Max NPS anode current (single crystal):** 4.62 (μ A)
Charge: 0.044 C

Run Number: <u>1840</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i. <input type="checkbox"/>	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>06:56</u> Stop time (from RC): <u>07:44</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1237k</u>	hTRIG3 rate <u>4.04</u>	hTRIG4 rate <u>2.92</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: *Data Rate 45 MByte/sec I_{beam} = 20 μ A*

Events: 1963k **Active trigger LiveTime fraction (NPS Scaler Gui):** _____ **Max NPS anode current (single crystal):** _____ (μ A)
Charge: _____ C

Run Number: <u>1843</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i. <input type="checkbox"/>	PS1: - PS2: - PS3: <u>2</u> PS4: - PS5: - PS6: -	Start time (from RC): <u>08:01</u> Stop time (from RC): <u>8:25</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: *Runs 1841 & 1842 Junk*

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

Run Number: <u>1844</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.i. <input type="checkbox"/>	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: -	Start time (from RC): <u>08:37</u> Stop time (from RC): <u>08:38</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: *Junk*

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

p(e,e' γ) p Run Sheet

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

Date: 23/10/14
yy mm dd

Initials: MN

Use a separate sheet for each configuration.

HMS

Configuration Name: Kinc-60-3

coin_sparse

coin

Purpose:

- Production
- Test
- Optics
- Other: _____

E_{beam}: 10.538 GeV

I_{beam}: 20 μ A

Raster: On Off

Size: 2x2

HMS

p: +05.877 θ (TV): 16.47

From GUI Nearest 0.005

Beam position and angle on target:

3H07A	X	Y
<u>1.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.69</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU)	A
	B-HALL	T
Q2	I-SET (from PSU)	A
	B-HALL	T
Q3	I-SET (from PSU)	A
	B-HALL	T
D	I-READ	A
	B-NMR	T

If momentum increased:
 HMS cycled?

SHMS θ (TV): 35.05 Nearest 0.005

NPS θ = SHMS 18.815 Nearest 0.005
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: 1845

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

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

Start time (from RC): 08:38 Stop time (from RC): 08:52

Settings Verified? HV OK? 50k OK?

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

Comments: Data Rate: 500 MB/byte/sec

Events _____ Charge 0.2 C

Active trigger LiveTime fraction (NPS Scaler Gui) 97

Max NPS anode current (single crystal) (μA)

Run Number: 1846

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

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

Start time (from RC): 08:51 Stop time (from RC): 08:53

Settings Verified? HV OK? 50k OK?

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

Comments: Junk / Data Rate: 200 MB/sec

Events _____ Charge C

Active trigger LiveTime fraction (NPS Scaler Gui) 99

Max NPS anode current (single crystal) (μA)

Run Number: 1847

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

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

Start time (from RC): 08:54 Stop time (from RC): 09:28

Settings Verified? HV OK? 50k OK?

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

Comments: Data Rate: 120 MB/sec (sparse off)

Events 666 K Charge 0.027 C

Active trigger LiveTime fraction (NPS Scaler Gui) 99

Max NPS anode current (single crystal) (μA) 4.33

Run Number: 1848

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

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

Start time (from RC): 10:21 Stop time (from RC): 11:09

Settings Verified? HV OK? 50k OK?

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

Comments: 12.5 MB/sec / coin-sparse (Max)

Events 733 K Charge 0.07 C

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

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

p(e,e' γ) p Run Sheet

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

Date: 13/10/14
yy mm dd

Initials: WV

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
Kin C x60#3
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.538 GeV I_{beam}: 30 μ A

Raster: On Off
 Size: 2x2

HMS
 p: +05.877 θ (TV): 16.47
From GUI Nearest 0.005

Beam position and angle on target:

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

SHMS
 θ (TV): 35.015
Nearest 0.005

NPS
 θ = SHMS 18.815
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Q1	I-SET (from PSU) <u>+766.94</u> A
	B-HALL <u>102390</u> T
Q2	I-SET (from PSU) <u>-616.88</u> A
	B-HALL <u>-12036</u> T
Q3	I-SET (from PSU) <u>+296.33</u> A
	B-HALL <u>0599</u> T
D	I-READ <u>191.493</u> A
	B-NMR <u>1.6217200</u> T
if momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: <u>1849</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>4</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>11:10</u> Stop time (from RC): <u>11:50</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>530 kHz</u>	hTRIG3 rate <u>2.4 kHz</u>	hTRIG4 rate <u>1900</u>
Comments:					hTRIG5 rate <u>0.3 kHz</u>	hTRIG6 rate <u>266 Hz</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Data Rate: 9.5 MB/sec / LT = 100%

Events <u>544K</u> Charge <u>0.051C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100</u>	Max NPS anode current (single crystal) (μ A)
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Run Number: <u>1852</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): Stop time (from RC):	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>540 kHz</u>	hTRIG3 rate <u>2.5 kHz</u>	hTRIG4 rate <u>1.9 kHz</u>
Comments:					hTRIG5 rate <u>0.36 kHz</u>	hTRIG6 rate <u>0.27 kHz</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

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

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

Events _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)
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p(e,e' γ) p Run Sheet

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

Date: ___/___/___
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
Kinc-x60-3
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.5 GeV **I_{beam}:** _____ μ A

Raster: On Off
Size: 2x2

HMS
p: +0.5877 **θ (TV):** 16.47
From GUI Nearest 0.005

Beam position and angle on target:

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

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

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

Q1	I-SET (from PSU) <u>+766.5</u> A
	B-HALL <u>1.02390</u> T
Q2	I-SET (from PSU) <u>-617.1</u> A
	B-HALL <u>-1.2036</u> T
Q3	I-SET (from PSU) <u>+295.8</u> A
	B-HALL <u>0.599</u> T
D	I-READ <u>-1909.3</u> A
	B-NMR <u>1.6217200</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: <u>1850</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l. <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>0</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>11:54</u> Stop time (from RC): <u>11:58</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>40 Hz</u>	hTRIG3 rate <u>43 Hz</u>	hTRIG4 rate <u>40 Hz</u>
Comments:					hTRIG5 rate <u>40 Hz</u>	hTRIG6 rate <u>40 Hz</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

Pedestal / No Beam checking channel 194

Events <u>9k</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μA)
Charge _____ C		

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

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

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

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

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

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

p(e,e' γ) p Run Sheet

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

Date: 23/10/14
yy mm dd

Initials: MW

Use a separate sheet for each configuration.

HMS

Configuration Name: Kinc-X60-3
 coin_sparse
 coin

E_{beam}: 10.54 GeV I_{beam}: 30 μ A

HMS
 p: +0.5827 θ (TV): 16.47
From GUI Nearest 0.005

SHMS θ (TV): 35.015 Nearest 0.005
 NPS θ = SHMS 18.815
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 467.9

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2

Beam position and angle on target:

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

Q1	I-SET (from PSU) <u>+766.5</u> A
	B-HALL <u>1.0239</u> T
Q2	I-SET (from PSU) <u>-617.1</u> A
	B-HALL <u>-1.2036</u> T
Q3	I-SET (from PSU) <u>+295.8</u> A
	B-HALL <u>0.599</u> T
D	I-READ <u>-1909.3</u> A
	B-NMR <u>1.62172</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: <u>1851</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>1</u> PS5: <u>1</u> PS6: <u>0</u>	Start time (from RC): <u>12:01</u> Stop time (from RC): <u>12:50</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>554 kHz</u> hTRIG5 rate <u>240.35 kHz</u>	hTRIG3 rate <u>2.4 kHz</u> hTRIG6 rate <u>0.27 kHz</u>	hTRIG4 rate <u>1.8 kHz</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Data Rate: 9 MB/sec

Events <u>698 K</u> Charge <u>0.067 C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>2.68</u> (μ A)
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Run Number: <u>1852</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>1</u> PS6: <u>0</u>	Start time (from RC): <u>12:51</u> Stop time (from RC): <u>13:45</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>552 kHz</u> hTRIG5 rate <u>0.34 kHz</u>	hTRIG3 rate <u>2.94 kHz</u> hTRIG6 rate <u>0.28 kHz</u>	hTRIG4 rate <u>1.8 kHz</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Data Rate: ~9 MB/sec

Events <u>785 K</u> Charge <u>0.075 C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>4.19</u> (μ A)
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Run Number: <u>1853</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>4</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>13:52</u> Stop time (from RC): <u>13:58</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate hTRIG5 rate	hTRIG3 rate hTRIG6 rate	hTRIG4 rate <input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Junk

Events <u>82 K</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>3.09</u> (μ A)
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Run Number: <u>1854</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>14:00</u> Stop time (from RC):	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>511 kHz</u> hTRIG5 rate <u>0.35 kHz</u>	hTRIG3 rate <u>2.3 kHz</u> hTRIG6 rate <u>0.28 kHz</u>	hTRIG4 rate <u>1.83 kHz</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Data Rate: ~8 MB/sec

Events <u>312 K</u> Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>3.72</u> (μ A)
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p(e,e' γ) p Run Sheet

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

Date: / / Initials:
 yy mm dd

Use a separate sheet for each configuration.

HMS

Configuration Name: King-X60-3
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other:

E_{beam}: 10.538 GeV I_{beam}: 30 μ A

Raster: On Off
 Size: 2x2

HMS
 p: +5.877 θ (TV): 16.47
From GUI Nearest 0.005

Beam position and angle on target:

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

Q1	I-SET (from PSU)	<u>+ 766.5</u> A
	B-HALL	<u>1.0239</u> T
Q2	I-SET (from PSU)	<u>- 617.1</u> A
	B-HALL	<u>-1.2036</u> T
Q3	I-SET (from PSU)	<u>+ 295.8</u> A
	B-HALL	<u>0.599</u> T
D	I-READ	<u>-1907.3</u> A
	B-NMR	<u>1.6217</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?		

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

Collimator: HMS: Large Sieve NPS Sweep Current 467.9

Run Number: <u>1855</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>2</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>14:22</u> Stop time (from RC): <u>14:23</u>	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments: Junk: Data Rate > 200 MB/sec

Events Charge C

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

Run Number: 1855 <u>1856</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>3</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>14:24</u> Stop time (from RC): <u>14:45</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>536 kHz</u>	hTRIG3 rate <u>2.3 kHz</u>	hTRIG4 rate <u>1.8 kHz</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Data Rate ~ 115 MB/sec

Events 554 K Charge 0.03 C

Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 3.98 (μ A)

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

Events Charge C

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

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

Events Charge C

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

p(e,e' γ) p Run Sheet

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

Date: 23/10/14
yy mm dd

Initials: WH

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
King X60-3
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.538 GeV I_{beam}: 30 μ A

Raster: On Off
 Size: 2x2

HMS
 p: +05.878 θ (TV): 16.47
From GUI Nearest 0.005

Beam position and angle on target:

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

I-SET (from PSU)	A
Q1 <u>766.5</u>	
B-HALL	
<u>1.02384</u> T	
I-SET (from PSU)	A
Q2 <u>617.1</u>	
B-HALL	
<u>-1.20234</u> T	
I-SET (from PSU)	A
Q3 <u>295.8</u>	
B-HALL	
<u>0.59980</u> T	
I-READ	A
D <u>1909.3</u>	
B-NMR	
<u>1.621720</u> T	
If momentum increased: <input checked="" type="checkbox"/> HMS cycled?	

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

Collimator: HMS: Large Sieve NPS Sweep Current 467.9

Run Number: 1857
 LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.i.
 Comments: _____
 PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
 Start time (from RC): 14:52 Stop time (from RC): 15:14
 Settings Verified? HV OK? 50k OK?
 hTRIG1 rate: 571 kHz hTRIG3 rate: 2.2 kHz hTRIG4 rate: 1.5 kHz
 hTRIG5 rate: 0.3 kHz hTRIG6 rate: 2.3 kHz
 Data ok Junk

Data Rate: 10 MB/sec

Events 291 kHz Charge _____ C
 Active trigger LiveTime fraction (NPS Scaler Gui) _____
 Max NPS anode current (single crystal) _____ μ A

Run Number: _____
 LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.i.
 Comments: _____
 PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____
 Start time (from RC): _____ Stop time (from RC): _____
 Settings Verified? HV OK? 50k OK?
 hTRIG1 rate: 571 kHz hTRIG3 rate: 2.2 kHz hTRIG4 rate: 1.5 kHz
 hTRIG5 rate: 0.3 kHz hTRIG6 rate: 2.31
 Data ok Junk

Events _____ Charge _____ C
 Active trigger LiveTime fraction (NPS Scaler Gui) 549 kHz
 Max NPS anode current (single crystal) _____ μ A

Run Number: 1858
 LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.i.
 Comments: _____
 PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
 Start time (from RC): 17:59 Stop time (from RC): 18:21
 Settings Verified? HV OK? 50k OK?
 hTRIG1 rate: 143 kHz hTRIG3 rate: 625 hTRIG4 rate: 440
 hTRIG5 rate: 66 hTRIG6 rate: 58
 Data ok Junk

Events 80k Charge _____ C
 Active trigger LiveTime fraction (NPS Scaler Gui) 100%
 Max NPS anode current (single crystal) 2.66 μ A

No Beam Trips DATA 300 RATE 0

Run Number: 1859
 LH2 10cm LD2 10cm Dummy 10cm Optics#1 8cm C 0.5% r.l.i.
 Comments: _____
 PS1: -1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: 0
 Start time (from RC): 18:35 Stop time (from RC): 19:06
 Settings Verified? HV OK? 50k OK?
 hTRIG1 rate: 1.58 MHz hTRIG3 rate: _____ hTRIG4 rate: _____
 hTRIG5 rate: _____ hTRIG6 rate: _____
 Data ok Junk

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

p(e,e' γ) p Run Sheet

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

Date: ___/___/___
yy mm dd

Initials: WH

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KinC-x60-3

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 20 μ A

Raster: On Off
Size: 2x2

HMS
p: +/- 5.878 θ (TV): 16.470
From GUI Nearest 0.005

Beam position and angle on target:

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

SHMS
 θ (TV): 35.015
Nearest 0.005

NPS
 θ = SHMS
-16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 468

Q1	I-SET (from PSU) <u>766.5</u> A
	B-HALL <u>1,02384</u> T
Q2	I-SET (from PSU) <u>617.1</u> A
	B-HALL <u>-1,20234</u> T
Q3	I-SET (from PSU) <u>295.8</u> A
	B-HALL <u>0.59980</u> T
D	I-READ <u>1909.3</u> A
	B-NMR <u>1.621720</u> T
If momentum increased: <input checked="" type="checkbox"/> HMS cycled?	

Run Number: <u>1860</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>19:35</u> Stop time (from RC): <u>20:03</u>	<input type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments: Junk, only a smidge of beam

Events 51K Active trigger LiveTime fraction (NPS Scaler Gui) _____ Max NPS anode current (single crystal) _____ μ A
Charge 0.81 MC

Run Number: <u>1861</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>20:04</u> Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: HCCLOG 4199709 CODA CRASHED

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

Run Number: <u>1862</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>20:16</u> Stop time (from RC): <u>21:15</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.2 MHz</u>	hTRIG3 rate <u>4.0 kHz</u>	hTRIG4 rate	hTRIG5 rate <u>1.1 kHz</u>	hTRIG6 rate <u>780 Hz</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: _____

Events 1.9 Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) _____ μ A
Charge 42.5 C

Run Number: <u>1863</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l. <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>21:16</u> Stop time (from RC): <u>21:59</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.2 MHz</u>	hTRIG3 rate <u>4 kHz</u>	hTRIG4 rate	hTRIG5 rate <u>1 kHz</u>	hTRIG6 rate <u>780 Hz</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: _____

Events 1.7 M Active trigger LiveTime fraction (NPS Scaler Gui) 100 Max NPS anode current (single crystal) _____ μ A
Charge 38.6 MC

p(e,e' γ) p Run Sheet

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

Date: 23/10/14
yy mm dd

Initials: WH

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
kinC_x60_3

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV **I_{beam}:** 20 μ A

Raster: On Off
Size: 2 x 2

HMS
p: +/- 5878 θ (TV): 16.47
From GUI Nearest 0.005

Beam position and angle on target:

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

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

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

Q1	I-SET (from PSU) <u>766.5</u> A
	B-HALL <u>1,02384</u> T
Q2	I-SET (from PSU) <u>617.1</u> A
	B-HALL <u>-1.20234</u> T
Q3	I-SET (from PSU) <u>295.8</u> A
	B-HALL <u>0.59980</u> T
D	I-READ <u>1909.3</u> A
	B-NMR <u>1.621720</u> T
If momentum increased: <input checked="" type="checkbox"/> HMS cycled?	

Run Number: 1864

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

Start time (from RC): 22:00 Settings Verified?
Stop time (from RC): 23:04 HV OK?
 50k OK?

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

Comments: _____

Events: 1.6M **Active trigger LiveTime fraction (NPS Scaler Gui):** 99.7
Charge: 35.7mC **Max NPS anode current (single crystal) (μ A):** _____

Run Number: _____

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

Start time (from RC): _____ Settings Verified?
Stop time (from RC): _____ HV OK?
 50k OK?

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

Comments: _____

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

Run Number: _____

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

Start time (from RC): _____ Settings Verified?
Stop time (from RC): _____ HV OK?
 50k OK?

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

Comments: _____

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

Run Number: _____

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

Start time (from RC): _____ Settings Verified?
Stop time (from RC): _____ HV OK?
 50k OK?

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

Comments: _____

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

p(e,e' γ) p Run Sheet

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

Date: 23/10/15
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
KinC-x60-3

coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 20 μ A

Raster: On Off
 Size: _____

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

Beam position and angle on target:

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

SHMS **NPS**

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

Collimator: HMS: Large Sieve NPS Sweep Current

Q1 1.017	I-SET (from PSU) <u>766.99</u> A
	B-HALL <u>1.017</u> T
Q2 -1.202	I-SET (from PSU) <u>616.95</u> A
	B-HALL <u>1.202</u> T
Q3	I-SET (from PSU) <u>296.23</u> A
	B-HALL <u>0.600</u> T
D	I-READ <u>1911.9</u> A
	B-NMR <u>1.62172</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

Run Number: <u>1865</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>03:52:51</u> Stop time (from RC): <u>4:36:03</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.16e6</u>	hTRIG3 rate <u>406.6</u>	hTRIG4 rate <u>2900.9</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: _____

Events 1,964,325 Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) (μ A)

Charge 44.12 mC

Run Number: <u>1866</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>4:37:43</u> Stop time (from RC): <u>5:26:29</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.23e6</u>	hTRIG3 rate <u>3967.9</u>	hTRIG4 rate <u>2945.4</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: _____

Events 1,933 M Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) (μ A)

Charge 43.15 mC

Run Number: <u>1867</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>5:27:26</u> Stop time (from RC): <u>06:18:06</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.25e6</u>	hTRIG3 rate <u>3915.6</u>	hTRIG4 rate <u>2893.5</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: _____

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

Charge 47.6 mC

Run Number: <u>1868</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>06:21:30</u> Stop time (from RC): <u>6:45:49</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.2e6</u>	hTRIG3 rate <u>4110.6</u>	hTRIG4 rate <u>2883.4</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: efficiency run

Events 2.681 M Active trigger LiveTime fraction (NPS Scaler Gui) Max NPS anode current (single crystal) (μ A)

Charge 23.39 mC

p(e,e' γ) p Run Sheet

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

Date: 23 / 10 / 14
yy mm dd

Initials: MN

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
kinC_x60_3

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 14 μ A

Raster: On Off
Size: _____

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

Beam position and angle on target:

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

SHMS **NPS**
 θ (TV): 33.015 θ = SHMS
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 467.93

Q1	I-SET (from PSU) <u>766.98</u>	A
	B-HALL <u>1017</u>	T
Q2	I-SET (from PSU) <u>616.95</u>	A
	B-HALL <u>-1.202</u>	T
Q3	I-SET (from PSU) <u>296.23</u>	A
	B-HALL <u>0.600</u>	T
D	I-READ <u>1911.9</u>	A
	B-NMR <u>1.62172</u>	T
If momentum increased: <input type="checkbox"/> HMS cycled?		

Run Number: <u>1870</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l. <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>06:51:15</u> Stop time (from RC): _____	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>7.88 e⁵</u>	hTRIG3 rate <u>2873.7</u>	hTRIG4 rate <u>2088.1</u>	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments: crate 2 bad not good

Events _____ Charge C

Active trigger LiveTime fraction (NPS Scaler Gui) _____

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

Run Number: <u>1874</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l. <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>7:30:40</u> Stop time (from RC): _____	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate _____	hTRIG3 rate _____	hTRIG4 rate _____	<input type="checkbox"/> Data ok <input checked="" type="checkbox"/> Junk
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Comments: still VME crate 2 = broken rebooting crates to solve

Events _____ Charge C

Active trigger LiveTime fraction (NPS Scaler Gui) _____

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

Run Number: <u>1875</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l. <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>07:59</u> Stop time (from RC): <u>08:40</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>788 kHz</u>	hTRIG3 rate <u>2.8 kHz</u>	hTRIG4 rate <u>2.0 kHz</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: VME crate 2 looks good! / Data Rate ~ 17 MB/sec

Events 924 K Charge 0.029 C

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 3.00 (μ A)

Run Number: <u>1876</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l. <input type="checkbox"/> _____	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>08:42</u> Stop time (from RC): _____	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate <u>0.788 kHz</u>	hTRIG3 rate <u>1.4 kHz</u>	hTRIG4 rate <u>1.06 kHz</u>	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: Data Rate: 4 MB/sec

Events _____ Charge C

Active trigger LiveTime fraction (NPS Scaler Gui) 100%

Max NPS anode current (single crystal) 1.87 (μ A)

p(e,e' γ) p Run Sheet

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

Date: 23/10/15
yy mm dd

Initials: MW

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
Kinc-x60-3
 coin_sparse
 coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 8 μ A

Raster: On Off
 Size: _____

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

Beam position and angle on target:

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

Q1	I-SET (from PSU) <u>766.5</u> A
	B-HALL <u>1.017</u> T
Q2	I-SET (from PSU) <u>-617.1</u> A
	B-HALL <u>-1.202</u> T
Q3	I-SET (from PSU) <u>295.8</u> A
	B-HALL <u>0.5998</u> T
D	I-READ <u>1909.3</u> A
	B-NMR <u>1.6217</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

SHMS **NPS**
 θ (TV): 35.015 θ = SHMS 18.715
Nearest 0.005 Nearest 0.005
 Collimator: HMS: Large Sieve NPS Sweep Current 467.9

Run Number: <u>1876</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/>	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>08:42</u> Stop time (from RC): <u>09:31</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>333 kHz</u>	hTRIG3 rate <u>1.4 kHz</u>	hTRIG4 rate <u>1.06 kHz</u>
Comments:					hTRIG5 rate <u>0.164 kHz</u>	hTRIG6 rate <u>0.138 kHz</u>	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Data Rate: 4 MB/sec

Events <u>363</u> Charge <u>0.06 C</u>	Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) (μ A) <u>1.87</u>
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Run Number:	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/>	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____ Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
Comments:					hTRIG5 rate	hTRIG6 rate	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk

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

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

Events _____ Charge _____ C	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)
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p(e,e' γ) p Run Sheet

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

Date: 23/10/15
yy mm dd

Initials: MW

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
King-X68-3

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 30 μ A

Raster: On Off
Size: 2x2

HMS
p: +05.878 θ (TV): 16.47
From GUI Nearest 0.005

Beam position and angle on target:

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

Q1	I-SET (from PSU)	<u>766.5</u>	A
	B-HALL	<u>1.017</u>	T
Q2	I-SET (from PSU)	<u>-617.1</u>	A
	B-HALL	<u>-1.202</u>	T
Q3	I-SET (from PSU)	<u>295.8</u>	A
	B-HALL	<u>0.5998</u>	T
D	I-READ	<u>1909.3</u>	A
	B-NMR	<u>1.6217</u>	T
If momentum increased: <input type="checkbox"/> HMS cycled?			

SHMS **NPS**

θ (TV): 35.065 θ = SHMS
Nearest 0.005 -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 467.9

Run Number: <u>1877</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>09:39</u>	Stop time (from RC): <u>10:29</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>555 kHz</u>	hTRIG3 rate <u>243 kHz</u>	hTRIG4 rate <u>1.85 kHz</u>	
Comments: <u>Data Rate: 9 MB/sec</u>	Events <u>754K</u> Charge <u>0.07C</u>			Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>4.17</u> (μ A)	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk			

Run Number: <u>1878</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>10:31</u>	Stop time (from RC): <u>11:21</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>565 kHz</u>	hTRIG3 rate <u>2.48 kHz</u>	hTRIG4 rate <u>1.86 kHz</u>	
Comments: <u>Data Rate: 9 MB/sec</u>	Events <u>742K</u> Charge <u>0.071C</u>			Active trigger LiveTime fraction (NPS Scaler Gui) <u>100%</u>	Max NPS anode current (single crystal) <u>3.56</u> (μ A)	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk			

Run Number: <u>1879</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>11:22</u>	Stop time (from RC): <u>12:15</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>560 kHz</u>	hTRIG3 rate <u>240 kHz</u>	hTRIG4 rate <u>1.82 kHz</u>	
Comments: <u>Data Rate: ~ 9 MB/sec</u>	Events <u>736K</u> Charge <u>0.071C</u>			Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) <u>4.28</u> (μ A)	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk			

Run Number: <u>1880</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: _____ PS2: _____ PS3: _____ PS4: _____ PS5: _____ PS6: _____	Start time (from RC): _____	Stop time (from RC): _____	<input type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate	
Comments:	Events _____ Charge _____ C			Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal)	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk			

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

p(e,e' γ) p Run Sheet

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

Date: 23 / 10 / 15
 yy mm dd

Initials: MW

Use a separate sheet for each configuration.

HMS

Configuration Name: _____
Kine-760-3

coin_sparse
 coin

E_{beam}: 10.540 GeV I_{beam}: 5.01 μ A

HMS

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

SHMS **NPS**

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

Collimator: HMS: Large Sieve NPS Sweep Current 467.3

Purpose:

Production
 Test
 Optics
 Other: _____

Raster: On Off
 Size: 2x2

Beam position and angle on target:

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

Q1	I-SET (from PSU)	<u>766.5</u> A
	B-HALL	<u>1.017</u> T
Q2	I-SET (from PSU)	<u>-699.8</u> A
	B-HALL	<u>-1.202</u> T
Q3	I-SET (from PSU)	<u>295.8</u> A
	B-HALL	<u>0.5998</u> T
D	I-READ	<u>1909.3</u> A
	B-NMR	<u>1.6217</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?		

Run Number: <u>1880</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l <input type="checkbox"/>	PS1: <u>-</u> PS2: <u>7</u> PS3: <u>7</u> PS4: <u>7</u> PS5: <u>7</u> PS6: <u>0</u>	Start time (from RC): <u>12:18</u> Stop time (from RC): <u>12:23</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate	hTRIG3 rate	hTRIG4 rate
Comments:					hTRIG5 rate	hTRIG6 rate	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk

Checking Data Rates = 4MB/sec
 Cluster Pair Th: 250 / Cluster Recount = 250

Events 20 K
 Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

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

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

Events _____
 Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

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

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

Events _____
 Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

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

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

Events _____
 Charge _____ C

Active trigger LiveTime fraction (NPS Scaler Gui)

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

p(e,e' γ) p Run Sheet

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

Date: 23/10/23
yy mm dd

Initials: MN

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.54 GeV I_{beam}: 20 μ A

Raster: On Off
Size: 2x2

Q1	I-SET (from PSU) <u>766.5</u> A
	B-HALL <u>1.017</u> T
Q2	I-SET (from PSU) <u>-617.1</u> A
	B-HALL <u>-1.202</u> T
Q3	I-SET (from PSU) <u>295.8</u> A
	B-HALL <u>0.5998</u> T
D	I-READ <u>1909.3</u> A
	B-NMR <u>1.6217</u> T
If momentum increased: <input type="checkbox"/> HMS cycled?	

HMS
p: +0 5.878 θ (TV): 16.47
From GUI Nearest 0.005

Beam position and angle on target:

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

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

Collimator: HMS: Large Sieve NPS Sweep Current 467.9

Run Number: <u>1881</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>4</u> PS2: <u>7</u> PS3: <u>7</u> PS4: <u>7</u> PS5: <u>7</u> PS6: <u>7</u>	Start time (from RC): <u>12:20</u> Stop time (from RC): <u>13:04</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1430</u> kHz hTRIG5 rate <u>0.68</u> kHz	hTRIG3 rate <u>1.63</u> kHz hTRIG6 rate <u>0.63</u> kHz	hTRIG4 rate <u>1.24</u> kHz <input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 20mA Data Rate = 20 MB/sec
Cluster Pair Th = 250 / 8 Recount = 250
 Events 4574 Active trigger LiveTime fraction (NPS Scaler Gui) 99.9%
 Charge 0.015 C Max NPS anode current (single crystal) (μ A)

Run Number: <u>1882</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>-</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>0</u>	Start time (from RC): <u>16:21:29</u> Stop time (from RC): <u>17:05:45</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.64e6</u> hTRIG5 rate <u>617</u>	hTRIG3 rate <u>1672.9</u> hTRIG6 rate <u>486</u>	hTRIG4 rate <u>1269.3</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 20mA Data Rate \approx 20 MB/s
 Events 87744 Active trigger LiveTime fraction (NPS Scaler Gui) 99.8%
 Charge 32.44 mC Max NPS anode current (single crystal) (μ A)

Run Number: <u>1883</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>-</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>0</u>	Start time (from RC): <u>17:11:52</u> Stop time (from RC): <u>18:04:42</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>5.64e5</u> hTRIG5 rate <u>360</u>	hTRIG3 rate <u>2477.8</u> hTRIG6 rate <u>286</u>	hTRIG4 rate <u>1848.7</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 30mA Data Rate \approx 10 MB/s 20 min Beam ON
 Events 402222 Active trigger LiveTime fraction (NPS Scaler Gui) 99.9%
 Charge 31.82 mC Max NPS anode current (single crystal) 4.24 (μ A)

Run Number: <u>1884</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.	PS1: <u>-</u> PS2: <u>-</u> PS3: <u>-</u> PS4: <u>-</u> PS5: <u>-</u> PS6: <u>0</u>	Start time (from RC): <u>19:09:41</u> Stop time (from RC): <u>19:32:26</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>5.64e5</u> hTRIG5 rate <u>360</u>	hTRIG3 rate <u>2466</u> hTRIG6 rate <u>288</u>	hTRIG4 rate <u>1855</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 30mA Data Rate \approx 10 MB/s 20 min Beam ON
 Events 367839 Active trigger LiveTime fraction (NPS Scaler Gui) 100%
 Charge 34.82 mC Max NPS anode current (single crystal) 3.54 (μ A)

p(e,e' γ) p Run Sheet

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

Date: 13/10/15
yy mm dd

Initials: YZ

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse
 coin

Purpose:

Production
 Test
 Optics
 Other: _____

E_{beam}: 10.538 GeV I_{beam}: _____ μ A

Raster: On Off
 Size: 2x2 mm

HMS

p: +/- -5.878 θ (TV): 35.02
 From GUI Nearest 0.005

Beam position and angle on target:

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

Q1	I-SET (from PSU)	<u>766.94</u>	A
	B-HALL	<u>1.025</u>	T
Q2	I-SET (from PSU)	<u>616.88</u>	A
	B-HALL	<u>-1.202</u>	T
Q3	I-SET (from PSU)	<u>296.33</u>	A
	B-HALL	<u>0.5978</u>	T
D	I-READ	<u>1911.93</u>	A
	B-NMR	<u>1.622</u>	T

If momentum increased: HMS cycled?

SHMS θ (TV): 16.47 Nearest 0.005

NPS θ = SHMS -16.30 Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 467.9

Run Number: <u>1885</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: <u>0</u> PS6: <u>0</u>	Start time (from RC): <u>19:34:10</u> Stop time (from RC): <u>20:16:07</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>5.4e5</u> hTRIG5 rate <u>401</u>	hTRIG3 rate <u>2507</u> hTRIG6 rate <u>317</u>	hTRIG4 rate <u>1381</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 30 μ A Data Rate \approx 10 MB/S

Events 659988 Charge 63.62 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 3.61 μ A

Run Number: <u>1886</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>20:18:25</u> Stop time (from RC): <u>21:02:10</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>3.48e5</u> hTRIG5 rate <u>186</u>	hTRIG3 rate <u>1659</u> hTRIG6 rate <u>150</u>	hTRIG4 rate <u>1274</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 20 μ A Data Rate \approx 5 MB/S

Events 387839 Charge 45.28 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 2.57 μ A

Run Number: <u>1887</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>21:03:52</u> Stop time (from RC): <u>21:42:47</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>1.49e5</u> hTRIG5 rate <u>88</u>	hTRIG3 rate <u>854</u> hTRIG6 rate <u>79</u>	hTRIG4 rate <u>656</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 10 μ A Data Rate \approx 2 MB/S

Events 17553 Charge 20.9 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 1.65 μ A

Run Number: <u>1888</u>	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: <u>0</u>	Start time (from RC): <u>21:57:12</u> Stop time (from RC): <u>22:24:15</u>	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate <u>5.87e5</u> hTRIG5 rate <u>345</u>	hTRIG3 rate <u>2282</u> hTRIG6 rate <u>254</u>	hTRIG4 rate <u>1562</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Comments: 30 μ A Data Rate \approx 7 MB/S

Events 305858 Charge 33.76 mC

Active trigger LiveTime fraction (NPS Scaler Gui) 100% Max NPS anode current (single crystal) 5.93 μ A

p(e,e' γ) p Run Sheet

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

Date: 23/10/15
yy mm dd

Initials: YZ

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse
coin

E_{beam}: 10.538 GeV I_{beam}: _____ μ A

HMS
p: +/- -5.878 θ (TV): 35.02
From GUI Nearest 0.005

SHMS θ (TV): 16.4 Nearest 0.005

NPS θ = SHMS -16.30° Nearest 0.005

Collimator: HMS: Large Sieve NPS Sweep Current 467.9

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
Size: 2x2 mm

Beam position and angle on target:

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

Q1	I-SET (from PSU)	766.93	A
	B-HALL	1.0198	T
Q2	I-SET (from PSU)	616.88	A
	B-HALL	-1.204	T
Q3	I-SET (from PSU)	296.33	A
	B-HALL	0.5973	T
D	I-READ	1911.93	A
	B-NMR	1.6217	T
If momentum increased: <input type="checkbox"/> HMS cycled?			

Run Number: 1889	<input type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input checked="" type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: 0	Start time (from RC): 22:27:19 Stop time (from RC): 23:10:04	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate 1.2e5	hTRIG3 rate 644	hTRIG4 rate 456	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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8 μ A Data Rate \approx 2MB/s

Events: 143964	Active trigger LiveTime fraction (NPS Scaler Gui): 100%	Max NPS anode current (single crystal): 1.38 μ A
Charge: 16.24 mC		

Run Number: 1890	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: 0	Start time (from RC): 23:28:20 Stop time (from RC): 00:12:30	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input type="checkbox"/> 50k OK?	hTRIG1 rate 1.27e6	hTRIG3 rate 4125	hTRIG4 rate 2945	<input type="checkbox"/> Data ok <input type="checkbox"/> Junk
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20 μ A Data Rate \approx 40MB/s

Events: 1.992 M	Active trigger LiveTime fraction (NPS Scaler Gui): 99.9%	Max NPS anode current (single crystal): 4.55 μ A
Charge: 44.8 mC		

Run Number: 1891	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: 0	Start time (from RC): 00:20:31 Stop time (from RC): 1:07:54	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate 1.3e6	hTRIG3 rate 4066.1	hTRIG4 rate 2873.8	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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10/16/23

Events: 2.096 M	Active trigger LiveTime fraction (NPS Scaler Gui):	Max NPS anode current (single crystal):
Charge: 49.0 mC		

Run Number: 1892	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: - PS2: - PS3: - PS4: - PS5: - PS6: 0	Start time (from RC): 1:09:40 Stop time (from RC): 2:06:18	<input checked="" type="checkbox"/> Settings Verified? <input checked="" type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate 1.2e6	hTRIG3 rate 4125.1	hTRIG4 rate 2923.4	<input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
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Events: 2.311 M

Charge: 59.53 mC

Active trigger LiveTime fraction (NPS Scaler Gui):	Max NPS anode current (single crystal):
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p(e,e' γ) p Run Sheet

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

Date: 23/10/16
yy mm dd

Initials: DNR

Use a separate sheet for each configuration.

HMS

Configuration Name: kinC_x60_3

coin_sparse
coin

Purpose:
 Production
 Test
 Optics
 Other: _____

E_{beam}: 10.538 GeV I_{beam}: 20 μ A

Raster: On Off
 Size: 2x2 mm

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

Beam position and angle on target:

3H07A	X	Y
<u>6.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:
3H07C	X	Y
<u>0.7</u>	mm	<u>0.3</u> mm
Nomin:		Nomin:

Q1	I-SET (from PSU)	<u>766.94</u>	A
	B-HALL	<u>1.021</u>	T
Q2	I-SET (from PSU)	<u>616.88</u>	A
	B-HALL	<u>-1.203</u>	T
Q3	I-SET (from PSU)	<u>296.33</u>	A
	B-HALL	<u>0.596</u>	T
D	I-READ	<u>1911.93</u>	A
	B-NMR	<u>1.62172</u>	T

If momentum increased:
 HMS cycled?

SHMS **NPS**

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

Collimator: HMS: Large Sieve NPS Sweep Current

Run Number: <u>1893</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>2:09:21</u> Stop time (from RC): <u>02:31:08</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.18e6</u> hTRIG5 rate: <u>1129.5</u>	hTRIG3 rate: <u>3962.6</u> hTRIG6 rate: <u>785.5</u>	hTRIG4 rate: <u>2896.0</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments:				Events <u>2521M</u> Charge <u>22.8nC</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)	

Run Number: <u>1895</u>	<input type="checkbox"/> LH2 10cm <input checked="" type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>5</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>02:39:25</u> Stop time (from RC): <u>03:03:11</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>1.18e6</u> hTRIG5 rate: <u>937.3</u>	hTRIG3 rate: <u>4089.6</u> hTRIG6 rate: <u>40.1</u>	hTRIG4 rate: <u>2863.0</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>sparsification = off</u>				Events <u>318196</u> Charge <u>24.41nC</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)	

Run Number: <u>1896</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>-1</u>	Start time (from RC): <u>03:13:08</u> Stop time (from RC): <u>4:14:23</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>5.42e5</u> hTRIG5 rate: <u>344.6</u>	hTRIG3 rate: <u>2491.1</u> hTRIG6 rate: <u>298.1</u>	hTRIG4 rate: <u>1908.3</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>30 MA</u>				Events <u>932,900</u> Charge <u>93.34 C</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)	

Run Number: <u>1897</u>	<input checked="" type="checkbox"/> LH2 10cm <input type="checkbox"/> LD2 10cm <input type="checkbox"/> Dummy 10cm <input type="checkbox"/> Optics#1 8cm <input type="checkbox"/> C 0.5% r.l.l	PS1: <u>-1</u> PS2: <u>-1</u> PS3: <u>-1</u> PS4: <u>-1</u> PS5: <u>-1</u> PS6: <u>0</u>	Start time (from RC): <u>4:15:59</u> Stop time (from RC): <u>5:10:03</u>	<input checked="" type="checkbox"/> Settings Verified? <input type="checkbox"/> HV OK? <input checked="" type="checkbox"/> 50k OK?	hTRIG1 rate: <u>5.31e5</u> hTRIG5 rate: <u>353.5</u>	hTRIG3 rate: <u>2467.6</u> hTRIG6 rate: <u>271.5</u>	hTRIG4 rate: <u>1789.0</u> <input checked="" type="checkbox"/> Data ok <input type="checkbox"/> Junk
Comments: <u>30 μA</u>				Events <u>783,760</u> Charge <u>78.28nC</u>	Active trigger LiveTime fraction (NPS Scaler Gui)	Max NPS anode current (single crystal) (μ A)	

p(e,e' γ) p Run Sheet

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

Date: 23/10/16
yy mm dd

Initials: _____

Use a separate sheet for each configuration.

HMS

Configuration Name: _____

coin_sparse
 coin

E_{beam}: 10.539 GeV I_{beam}: 30 μ A

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

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

Collimator: HMS: Large Sieve NPS Sweep Current

Purpose:
 Production
 Test
 Optics
 Other: _____

Raster: On Off
Size: 2x2 mm

Beam position and angle on target:

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

Q1	I-SET (from PSU) <u>766.99</u>	A
	B-HALL <u>(1.02)</u>	T
Q2	I-SET (from PSU) <u>616.88</u>	A
	B-HALL <u>-1.203</u>	T
Q3	I-SET (from PSU) <u>296.33</u>	A
	B-HALL <u>0.526</u>	T
D	I-READ <u>1911.93</u>	A
	B-NMR <u>1.62172</u>	T
If momentum increased: <input type="checkbox"/> HMS cycled?		

Run Number: 1898

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

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

Start time (from RC): 5:11:47 Stop time (from RC): 6:19:27

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 5.33e⁵ hTRIG3 rate: 2462.5 hTRIG4 rate: 1806.2

hTRIG5 rate: 363.5 hTRIG6 rate: 264.2 Data ok Junk

Events: 1.024 M Charge: 101.5° C

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

Run Number: 1899

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

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

Start time (from RC): 6:22:42 Stop time (from RC): 7:31:56

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 5.28e⁵ hTRIG3 rate: 2522.6 hTRIG4 rate: 1875.0

hTRIG5 rate: 345.7 hTRIG6 rate: 287.3 Data ok Junk

Events: 1.048 M Charge: 104.7° C

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

Run Number: 1900

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

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

Start time (from RC): 7:36:00 Stop time (from RC): 8:08

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 25584.4 hTRIG3 rate: 1833.1 hTRIG4 rate: 1936.1

hTRIG5 rate: 346.8 hTRIG6 rate: 274.7 Data ok Junk

Events: 3.9 M Charge: C

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

Run Number: 1901

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

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

Start time (from RC): Y:10:00 Stop time (from RC): 8:39

Settings Verified? HV OK? 50k OK?

hTRIG1 rate: 5.4x10⁵ hTRIG3 rate: 2450 hTRIG4 rate: 1867

hTRIG5 rate: 335 hTRIG6 rate: 267 Data ok Junk

Events: 36K Charge: C

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

50k error "missed 39.9K events" disabling helicity