RIGHT-ARM ONLY on this page: A_x, A_z Production Run Sheet

Date: 6/11/09	**Author:** X
Beam Energy: 2.425 GeV	**Using Pol ^{3}He Cell:** Y/N, Long, Tran, or Vertical
RHRS	**BigBite**
Momentum (GeV/c): 2.475 Polarity: "-"	Current (A): Polarity: Positive
Angle: 18 Sieve Plate: IN or OUT ?	Angle:

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
22352	18:17	18:33	BeO	10		3	optics run	
22353	18:33	18:37	BeO	10	14K	4	optics run	
22354	18:55	19:32	H_2	10	0.12M	4		
22355	20:10	20:16	H_2		70k		junk	
22356	20:19	20:51	H_2	5	0.16M		optics run.	✓
22357	20:54	20:57	BeO	3		0.		
22358	20:58	21:16	BeO	3	1.5M	13	Optics run	
22359	21:19	21:32	BeO	3	1.4M	13	raster off	
22360	21:35	21:54	BeO	3	1.5M	13	BigBite magnet current down	
22361	21:57	22:01	BeO	3	58K	12	BigBite off, raster on	
22362	22:16	22:29	BeO	3	1.5M	12	"	
22363	23:01		empty	3		6	empty target	

Please change to a new run sheet for a new setting or a new type of run on the Run Plan.

More Comments:

LEFT-ARM ONLY on this page: A_x, A_z Production Run Sheet

Date: 06/12/09	**Author:** Lamiaa
Beam Energy: 2.425 GeV	**Using Pol ³He Cell:** (Y)/N, (Long) Tran, or Vertical +
LHRS	**BigBite**
Momentum (GeV/c): 2.32 Polarity: "-"	Current (A): 518 Polarity: (Positive)
Angle: 12.5° Sieve Plate: (IN) or OUT ? BB	Angle: 75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
3497	23:19		N_2	3		1	N_2 19 psis	
3498	23:45	00:24	³He	3	4M	5	reference cell, ³He	✓
3499	00:31	01:01	³He	9	4M	8%	Back to Prod. run after NMR freq. sweep → 66.8%	✓ Await for golden run change After spin flip
3500	01:02	01:36	³He	9	4M	8%	³He Prod. run	✓
3501	01:37	02:05	³He	9	4M	8%	" "	✓
3502	02:08	02:30	³He	9	4M	8%	" "	✓
3503	02:38	03:08	³He	9	4M	8%	" "	✓
3504	03:12	03:45	³He	9	4M	8%	New Happex run#3158 "	✓
3505	03:46	04:21	³He	9	4M	8%	³He Prod. run	✓
3506	04:23	04:24	³He	9	175 K	8%	New NMR gave 65% " Ended earlier due to R HRS coda crash	Junk
3507	04:29	05:02	³He	9	4M	8%	³He Prod. run	✓
3508	05:03	05:33	³He	9	4M	8%	" "	✓

Please change to a new run sheet for a new setting or a new type of run on the Run Plan.

More Comments:

RIGHT-ARM ONLY on this page: A_x, A_z Production Run Sheet

Date: 06/12/09		**Author:** Lamiaa	
Beam Energy: 2.425 GeV		**Using Pol ³He Cell:** (Y)/N, (Long), Tran, or Vertical	
RHRS		**BigBite**	
Momentum (GeV/c): 2.025	Polarity: ("-")	Current (A): 518	Polarity: Positive
Angle: 18	Sieve Plate: IN or (OUT)?	Angle: 75°	

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
22364	23:19		N_2	3		13		
22365	23:44	00:24	^3He	3	3.2M	10	reference cell, ^3He	✓
22366	00:30	01:02	^3He	9	3.1M	12%	Back to Prod. run after new NMR → 66.8%	✓ waiting to setup New golden run after clamping the RHRS magnets to 2.0 G
22367	01:02	01:36	^3He	9	3.1M	12%	^3He Prod. run	✓
22368	01:37	02:06	^3He	9	3.1M	12%	" "	✓
22369	02:07	02:37	^3He	9	3.1M	12%	" "	✓
22370	02:38	03:09	^3He	9	3.12M	12%	" "	✓
22371	03:12	03:45	^3He	9	3.13M	12%	New Happex run #3118	✓
22372	03:46	04:21	^3He	9	3.12M	12%	^3He Prod. run	✓
22373	04:23	—	^3He	9	—	100%	New NMR gave 65%. Ended earlier due to 100% deadtime Pb of RHRS	JUNK
22374	04:28	05:03	^3He	9	3.13M	12%	Reboot ROC 1, 2, 8 & TS0 and Restart coda & new prod. run	✓
22375	05:03	05:33	^3He	9	3.12M	12%	^3He Prod. run	✓

Please change to a new run sheet for a new setting or a new type of run on the Run Plan.

More Comments:

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Date: 06/12/09	**Author:** Camiaa
Beam Energy: 2.425 GeV	**Using Pol ^{3}He Cell:** (Y)/N, (Long), Tran, or Vertical
LHRS	**BigBite**
Momentum (GeV/c): 2.32 Polarity: "-"	Current (A): 518 + Polarity: Positive
Angle: 12.5 Sieve Plate: (IN) or OUT ?	Angle: 75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
3509	05:34	06:04	^{3}He	9	4M	8%	^{3}He Prod. run	√
3510	06:04	06:37	^{3}He	9	4M	8%	〃 〃	√
3511	06:37	07:11	^{3}He	9	4M	8%	〃 〃	√
3512	07:13	07:35	^{3}He	9	2.86M	8%	New Happex run # 315219	√
3513	17:43	17:46	BeO	2	81K		raster test.	
3514	17:55	17:58	3He	2			test run 2x2 mm	
3515	18:20	18:06	3He	2			test run, 6x6 mm	
3516	18:08	18:11	3He	2	17K		test run, 4x4 mm	
3517	18:24	19:22	3He	9	1.6M	-7	production.	√
3518	19:24	19:30	3He	10		-9%	production	
3519	19:32		3He	10		3%	production	
3520	20:08	20:26	3He	10	2M	3%	production	

Please change to a new run sheet for a new setting or a new type of run on the Run Plan.

More Comments:

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Date: 06/12/09.	**Author:** Lamiaa
Beam Energy: 2.425 GeV	**Using Pol ^{3}He Cell:** Y/N, Long, Tran, or Vertical
RHRS	**BigBite**
Momentum (GeV/c): 2.025 Polarity: "-"	Current (A): 518 Polarity: Positive
Angle: 18 Sieve Plate: IN or OUT?	Angle: 75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
22376	05:34	06:04	^{3}He	9	3.1M	12%	^{3}He Prod. run	√
22377	06:04	06:37	^{3}He	9	3.12M	12%	" "	√
22378	06:37	07:11	^{3}He	9	3.12M	12%	" "	√
22379	07:13	07:35	^{3}He	9	?	12	^{3}He Prod run / Happex run 35169	√
22380	17:43	17:46	BeO	2	72k		raster test	
22381	17:55	17:58	3He	2			test run. 2x2mm	
22382	18:00	18:06	3He	2			test run, 6x6mm	
22383	18:08	18:14	3He	2	75k		test run, 4x4mm	
22384	18:24	19:22	3He	9	1.4M	4%	production.	✓
22385	19:24	19:30	3He	10	71k	8%	production	
22386	19:32		3He	10		6%	production.	
22387	20:08	20:26	3He	10		6%	prodrun CODA crashed	

Please change to a new run sheet for a new setting or a new type of run on the Run Plan.

More Comments:

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Date: 06/12/09	**Author:** Xiaoyan Deng
Beam Energy: 2.425 / 3.606 GeV	**Using Pol ^{3}He Cell:** (Y)/N, Long, Tran, or Vertical
LHRS	**BigBite**
Momentum (GeV/c): ~~2.35~~ Polarity: "-"	Current (A): 518 Polarity: Positive
Angle: 12.5 Sieve Plate: BB (IN) or OUT ?	Angle: 75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
3521								
3522	21:17	21:20	BeO		0.3M.		spot ++ check MCC 7x5	
3523 ~~3524~~	21:22	21:27	3He	2			spot ++ check MCC 7x5	✓
3524	21:28	21:56	3He	~~10~~ 10.5	3 M	3	production	✓
3525	21:59	22:16	3He	10	1.7M	3	production	✓
3526	22:28	23:01	3He	10	4M	3.	production	✓
3527	23:02	23:35	3He	10	4M	2	production	✓
3528	23:36	23:49	3He	10		3	production	✓
3529	01:22	01:27	BeO	2	418K	1	spot++ check run w/ 4x4 raster	spot++ seems ok.
3530	01:36	01:45	^{3}He	2/10	726K	0/3	check out run for rates check	Rates seem ok
3531	01:46	02:21	^{3}He	10	4M	3%	back to ^{3}He prod. w/ L-arm only (NNR~62.6%)	✓
3532	02:22	02:48	^{3}He	10	2.5M	3%	^{3}He prod. run after restarting new happex run # 3523	✓

Please change to a new run sheet for a new setting or a new type of run on the Run Plan.

More Comments:

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Date: 06/12/09	**Author:** Xiaoyan Deng
Beam Energy: ~~2.425~~ 3.606 GeV	**Using Pol ³He Cell:** Y/N, (Long) Tran, or Vertical
RHRS Momentum (GeV/c): 3.0855 Polarity: (-)	**BigBite** Current (A): 518 Polarity: (Positive)
Angle: 18 Sieve Plate: IN or (OUT)?	Angle: 75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
22388 ~~22838~~								
22389	21:17	21:20	BeO		72k		spot ++ check HCC 9×5.	
22390	21:22	21:27	3He	2				
22391	21:28	21:56	3He	10.5	0.8M	6	production	✓
22392	21:59	22:16	3He	10	0.45M	6	production	✓
22393	22:28	23:01	3He	10	1M.	6	production.	✓
22394	23:02	23:35	3He	10	1M	6	production.	✓
22395	23:36	23:49	3He	10		6	production.	✓
		R arm is down because the magnet pb						

Please change to a new run sheet for a new setting or a new type of run on the Run Plan.

More Comments:

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Date: 06/13/09	**Author:** Lamiaa
Beam Energy: 3.606 GeV	**Using Pol ^{3}He Cell:** (Y)/N, (Long), Tran, or Vertical
LHRS	**BigBite**
Momentum (GeV/c): 3.35 Polarity: "-"	Current (A): 518 Polarity: Positive
Angle: 12.5° Sieve Plate: BB (IN) or OUT ?	Angle: 75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
3533	03:42	03:44	BeO	2	210K	0	spot++ check run w/. 6x4 raster	spot++ tool has good
3534	03:47	03:53	^{3}He	2/10	269K	0/3	Rates check w/. 2 & 10 μA	Rates are good
3535	03:54	04:24	^{3}He	10	3.35M	3%	Back to prod. in L-arm only. Await for R-arm to come up	√
							End this run earlier because the BB HV tripped. BB HV was turned off by the end of the run	
3536	04:32	05:07	^{3}He	~~10~~/12	4M	3%/4%	^{3}He prod. run w/. raster 6x4 Nccunit. Increase the current to 12/	√
3537	05:09	05:41	^{3}He	12	4M	4%	^{3}He L-arm prod. run w/. 12 μA	√
3538	05:45	06:12	^{3}He	12	4M	4%	" "	√
3539	06:14	06:50	^{3}He	12	4M	4%	^{3}He L-arm prod. run after NewNNR → 63.3%	√
3540	06:52	07:23	^{3}He	12	4M	4%	^{3}He L-arm prod. run w/. 5x4 raster in Nccunits	√ Set as a golden run
3541	07:22	07:55	^{3}He	12	4M	4%	^{3}He prod. run in both arms	√
3542	07:57	8:27	^{3}He	12	4 M	4%	" "	√
3543	08:29	9:02	^{3}He	12	4 M	4%	" "	√

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More Comments:

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Date:	06/13/09	**Author:**	Lamiaa
Beam Energy:	3.606 GeV	**Using Pol ^{3}He Cell:**	(Y)/N, (Long), Tran, or Vertical
RHRS		**BigBite**	+
Momentum (GeV/c):	3.0855 Polarity: ("-")	Current (A):	518 Polarity: (Positive)
Angle:	18 Sieve Plate: IN or OUT ?	Angle:	75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
22396	07:27	07:55	^{3}He	12	1.025M	6%	The dipole mt. is not really reached 3.0855 GeV/c	✓
22397	07:57	8:28	^{4}He	12	1.036M	6%	" " "	✓
22398	08:28	9:02	^{3}He	12	1.037M	6%	" " "	✓

Please change to a new run sheet for a new setting or a new type of run on the Run Plan.

More Comments:

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Date: 61319	**Author:** Lindgren
Beam Energy: 3.606 GeV	**Using Pol ^{3}He Cell:** Y/N, Long, Tran, or Vertical
LHRS Momentum (GeV/c): 3.350 Polarity: "-" Angle: 12.5 Sieve Plate: IN or OUT ?	**BigBite** Current (A): 518 Polarity: Positive Angle: 75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
3544	9:03	9:37	^{3}He	12	4.00M	4		✓
3545	9:38	10:07	^{3}He	12	4.00M	4		✓
3546	10:08	10:43	^{3}He	12	4.00M	4		✓
3547	10:44	11:19	^{3}He	12	4.00M	5		✓
3548	11:20	11:55	^{3}He	12	4.00M	40		✓
3549	12:02	12:33	^{3}He	14	4.00M	5		✓
3550	12:34	13:03	^{3}He	14	4.00M	5		✓
3551	13:05	13:32	^{3}He	14	4.01M	5	At end of this run, wait for comptons be moved.	✓
3552	13:38	14:07	^{3}He	14	4.01M	5		✓
3553	14:12	14:56	^{3}He	14	0.401M	–	Something went wrong here ? ? Was not started.	—
3554	14:58	15:26	^{3}He	14	4.00	5	OK	✓
3555	15:27		^{3}He	14	4.01	5	OK	✓

Please change to a new run sheet for a new setting or a new type of run on the Run Plan.

More Comments: