R

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

Date:	**Author:** M Meyerson.
Beam Energy: GeV	**Using Pol ^{3}He Cell:** Y/N, Long, Tran, or Vertical
LHRS	**BigBite**
Momentum (GeV/c): 2.225 Polarity: "-"	Current (A): Polarity: Positive
Angle: 16 Sieve Plate: IN or OUT?	Angle:

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
211260	10:12	10:38	$^3\vec{He}$	10μA	4.09	18		✓
211261	10:39	11:06	"	"	4.09	17		✓
211262	11:07	11:34	"	"	4.03	17		✓
211263	11:35	12:01	"	"	4.1	16		✓
211264	12:02	12:29	"	"	4.01	17		✓
211265	12:30	13:03	"	"	4.1	18		✓
211266	13:04	13:37	"	"	4.21	17		✓
211267	13:38	14:07	"	"	4.1	17		✓
211268	14:08	14:36	"	"	3.98	17		✓
211269	\	\	\	JUNK			CODA Left arm crashed	
211270	14:40	15:07	"	"	3.79	17		✓
211271	14:07	15:38	"	"	3.99	17		✓

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

More Comments:

L

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

Date: 4/17	**Author:** M Muxian.
Beam Energy: GeV	**Using Pol ^{3}He Cell:** Y/N, Long, Tran, or Vertical
RHRS	**BigBite**
Momentum (GeV/c): 2.30 Polarity: "-"	Current (A): Polarity: Positive
Angle: 14.5 Sieve Plate: IN or OUT?	Angle:

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
2368	15:40	16:06	3 He	10μA	5M	12		✓
2369	16:08	16:34	3He	10	5M	12		✓
2370	16:39	16:42	3He	10	~~555K~~	12	hb mL thresh ↗	✓
2371	16:45	16:49	3He	10	623K	12	"	
2372	16:52	16:55	3He	10	532K	12	"	
2373	16:00	17:25	3He	10	5M	11	prod	✓
2374	17:26	17:59	3He	10	5M	12		✓
2375	18:00	18:31	3He	10	5M	11		✓
2376	18:32	19:01	3He	10		10V 12	Rick 5 problem end r funlod	✓
2377	19:05	19:30	3He	10	5M	12		✓
2378	19:31	19:59	3He	10	5M	12		✓
2379	20:01	20:25	3He	10	5M	11		✓

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

More Comments:

R

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

Date:	4/17	**Author:**	M. Mazouz
Beam Energy:	GeV	**Using Pol ^{3}He Cell:**	Y(N), Long, Tran, or Vertical
LHRS		**BigBite**	
Momentum (GeV/c):	2.225 Polarity: "-"	Current (A):	Polarity: Positive
Angle:	16 Sieve Plate: IN or OUT ?	Angle:	

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
21272	15:40	16:8	^{3}He	10μA	4.1M	17		✓
21273	16:07	16:34	^{3}He	10	4.1M	17		✓
21274	16:38	16:42	^{3}He	10	452K	16		✓
21275	16:45	16:49	^{3}He	10	505K	17		
21276	16:52	16:55	^{3}He	10	434K	17		
21277	16:59	17:25	^{3}He	10	4.08M	16		✓
21278	16:26	17:59	^{3}He	10	4.09M	17		✓
21279	17:59	18:31	^{3}He	10	4.09M	16		✓
21280	18:32	19:01	^{3}He	10		17	~~Pol~~ R OK, Left problem	✓
21281	19:04	19:30	^{3}He	10	4.08	16		✓
21282	19:31	~~19:00~~ 19:59	^{3}He	10	4.37M	16		✓
21283	~~20:00~~ 20:01	20:26	^{3}He	10	4.07	17		✓

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:	5/17/09	**Author:**	K. Wang
Beam Energy:	2.425 GeV	**Using Pol ^{3}He Cell:**	Y/N, Long, Tran, or Vertical
RHRS		**BigBite**	
Momentum (GeV/c):	2.3 Polarity: "-"	Current (A):	Polarity: Positive
Angle:	14.5 Sieve Plate: IN or OUT?	Angle:	

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
2380	20:42	21:08	$^3\vec{H}e$	10	5M	11	Hapex started	✓
2381	21:10	21:36	$^3\vec{H}e$	10	5m	13		✓
2382	21:38	22:05	$^3\vec{H}e$	10	5m	12		✓
2383	22:06	22:33	$^3\vec{H}e$	10	5m	11		✓
2384	22:34	23:01	$^3\vec{H}e$	10	5m	11		✓
2385	23:02	23:27	$^3\vec{H}e$	10	5M	11		✓
2386	23:28	23:54	$^3\vec{H}e$	10	5M	11		✓
2387	23:56	0:23	$^3\vec{H}e$	10	5M	11		✓
2388	00:25	00:52	"	"	5M	11		✓
2389	0:53	01:20	"	"	5M	12		✓
2390	1:24	1:28	"	"	500K	12	BB DC threshold 7.5V	
2391	1:30	1:33	"	"	500K	11	8.0V	

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:	5/17/09	**Author:**	K. Wang
Beam Energy:	2.425 GeV	**Using Pol ^{3}He Cell:**	Y/N, Long, Tran, or Vertical
RHRS		**BigBite**	
Momentum (GeV/c):	2.225 Polarity: "-"	Current (A):	515.5 Polarity: Positive
Angle:	16 Sieve Plate: IN or OUT ?	Angle:	-25

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
21284	20:42	21:09	^{3}He	10	4.09M	16		✓
21285	21:10	21:37	^{3}He	10	4.08M	17		✓
21286	21:37	22:05	^{3}He	10	4.08M	16		✓
21287	22:06	22:33	^{3}He	10	4.08M	16		✓
21288	22:33	23:01	^{3}He	10	4.08M	16		✓
21289	23:01	23:27	^{3}He	10	4.08M	16		✓
21290	23:28	23:55	^{3}He	10	4.07M	17		✓
21291	23:55	0:23	^{3}He	10	4.08M	16		✓
21292	0:25	0:53	"	"	4.08M	17		✓
21293	0:53	1:20	"	"	4.08	16		✓
21294	1:24	1:28	"	"	414K	17		
21295	1:30	1:33	"	"	418K	16		

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

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
2392	1:35	1:38	^{3}He	10	510K	12	BB DC threshold: 8.5V	
2393	1:40	1:44	"	"	511K	11	9.0V	
2394	1:46	1:49	"	"	506K	11	9.5V	
2395	1:51	1:54	"	"	509K	12	10.0V	
2396	1:57	2:01	"	"	508K	10	6.75V	
2397	2:03	2:07	"	"	509K	11	6.25V	
2398	2:10	2:14	"	"	505K	12	5.75V	
2399	2:17	2:44	"	"	5M	11	Back to production 5.5V	✓
2400						11	Junk	✗
2401	2:55	3:23	"	"	5M	12		✓
2402	3:33	3:51	"	"	5M	12		✓
2403	3:51	4:18	"	"	5M	12		✓

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

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
20296	1:35	1:38	^{3}He	10	415K	17		
20297	1:40	1:44	"	"	417K	16		
20298	1:46	1:49	"	"	411K	16		
~~20299~~ 20299	1:51	1:54	"	"	414K	17		
20300	1:57	2:01	"	"	413K	16		
20301	2:03	2:07	"	"	415K	16		
20302	2:10	2:14	"	"	410K	17		
20303	2:17	2:44	"	"	4.0M	16		✓
20304							does not count.	x
20307	02:35	3:23	"	"	4.08M	17		✓
20308	3:23	3:51	"	"	4.08M	17		✓
20309	3:51	4:18	"	"	4.08M	16		✓

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:	May 18, 2009	**Author:**	W. Luo
Beam Energy:	7.424 GeV	**Using Pol ^{3}He Cell:**	Y/N, Long, Tran, or Vertical
LHRS		**BigBite**	
Momentum (GeV/c):	7.277 Polarity: "-"	Current (A):	5/15 Polarity: Positive
Angle:	12.5° Sieve Plate: IN or OUT ?	Angle:	-21°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
2404	4:21	4:48	^{3}He	10	5M	12		✓
2405	4:49	5:15	"	"	5M	12		✓
2406	5:15	5:44	"	"	5M	12		✓
2407	5:44	6:10	"	"	5M	12		✓
2408	6:11	6:42	"	"	5M	11		✓
2409	6:42	7:11	"	"	5M	13		✓
2410	7:12	7:37	"	"	5M	11		✓
2411	7:38		"	"	5M	12		✓
2412	8:40		D_2	7 μA *	5M	6	115 Psia ref. cell	
2413	9:19	10:00	D_2	10μA	5M	6	same	

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

More Comments:

* During run 2412 we slowly increase beam current to 10μA

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Date:	May 18, 2004	**Author:**	W. Luo
Beam Energy:	2.427 GeV	**Using Pol ^{3}He Cell:**	(Y)N, (Long), Tran, or Vertical
RHRS		**BigBite**	
Momentum (GeV/c):	2.225 Polarity: "-"	Current (A):	515.5 Polarity: Positive
Angle:	Sieve Plate: IN or OUT ?	Angle:	-75

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
21310	4:21	4:48	^{3}He	10	4.09M	17		✓
21311	4:48	5:15	"	"	4.09M	16		✓
21312	5:15	5:44	"	"	4.06M	16		✓
21313	5:44	6:10	"	"	4.09M	16		✓
21314	6:10	6:42	"	"	4.10M	16		✓
21315	6:42	7:11	"	"	4.09M	16		✓
21316	7:11	7:37	"	"	4.08M	16		✓
21317	7:38		"	"	4.09	16		✓
21318	8:40		D_2	7μA*	3.7M	13	115 psia D_2 ref. cell	✓
21319	9:19	10:00	D_2	10μA	3.7M	13	same	

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

More Comments:

* During 21318, increase I_{beam} to 10μA

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Date: May 18, 2009	**Author:** R. Michaels
Beam Energy: 2.427 GeV	**Using Pol ^{3}He Cell:** Y/N, (Long), Tran, or Vertical
LHRS	**BigBite**
Momentum (GeV/c): 2.277 Polarity: ("-")	Current (A): 515.5 * Polarity: Positive
Angle: 14.5 Sieve Plate: IN or (OUT)?	Angle: 75

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
2414	10:02	10:44	empty cell	10		4	Empty target cell	✓
2415	10:50		N_2	10	very short		35 psig N_2	
2416	10:52		N_2	10	5M		35 psig N_2 Adjusted PS factors	✓
2417	11:30	12:10	N_2	10	5M	5	same	✓
2418	12:16		optics	5	5M	12	multifoil carbon (optics)	✓
2419	12:49		^{3}He	10	5M	12	Back to ^{3}He production	✓
2420	13:25		^{3}He	10	5M		move halfwave plate OUT	✓
2421	13:51	14:22	^{3}He	10	5M	11		✓
2422	14:23	14:48	^{3}He	10	5M			✓
2423	16:30		^{3}He	10	5M			✓
2424	15:17		^{3}He	10	5M			✓
2425	15:48	16:14	^{3}He	10	5M	11		✓

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

More Comments:

* Set point 518 (= "output set point")
but in "box controls" its zero.
10:15: So, we re-entered 518 in dialog box.