

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

Date:	5.14 2009	Author:	M. Mezger
Beam Energy:	GeV	Using Pol ^3He Cell:	Y/N, Long, Tran, or Vertical
RHRS		BigBite	
Momentum (GeV/c):	2.225	Polarity: "-"	Current (A):
Angle:	16	Sieve Plate: IN or OUT?	Polarity: Positive

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
21200	23:25	23:55	^3He	10 μA	4.46 M	16	BHWP IN	✓
21202	23:56	00:26	^3He	10 μA	4.47 M	16		✓
21203	00:27	00:50	^3He	10 μA	4.48 M	16		✓
21204	00:59	01:31	^3He	10 μA	4.54 M	16		✓
21205	01:31	02:01	^3He	10 μA	4.47 M	16		✓
21206	02:02	02:35	^3He	10 μA	4.46 M	16		✓
21207	02:37	03:06	^3He	10 μA	4.47 M	16		✓
21208	03:07	03:37	^3He	10 μA	4.47 M	16		✓
21209	03:37	04:09	^3He	10 μA	4.62 M	16	NMR measurement 61.7%	✓
21210	04:11	04:43	^3He	10 μA	4.47 M	17		✓
21211	04:44	05:17	^3He	10 μA	4.47 M	16		✓
21212	05:17	05:56	^3He	10 μA	4.46 M	16		✓

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More Comments:

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Date: 5-16-2009	Author: V. SulHusky
Beam Energy: 2.425 GeV	Using Pol ^3He Cell: <input checked="" type="radio"/> N, <input checked="" type="radio"/> Long Tran, or Vertical
LHRS	BigBite
Momentum (GeV/c): 2.300	Polarity: "-" Current (A): 515.5
Angle: 14.5°	Sieve Plate: IN or <input checked="" type="radio"/> OUT? Angle: -75°
	Polarity: Positive

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
2306	05:51	06:22	$^3\vec{\text{He}}$	10	5M	8	start HAPPex run 31381	✓
2307	06:24	06:55	$^3\vec{\text{He}}$	10	5M	8		✓
2308	06:56	07:25	$^3\vec{\text{He}}$	10	5M	8		✓
2309	07:26	08:58	$^3\vec{\text{He}}$	10	5M	8	NMR_Measurement @ 1.78	✓
2310	08:00	8:29	$^3\vec{\text{He}}$	10	5M	7		✓
2311	8:30	9:00	$^3\vec{\text{He}}$	10	5M	7%		✓
2312	9:01		$^3\vec{\text{He}}$	10			JUNK DAQ crash	
2313	9:10	9:45	$^2\vec{\text{He}}$	10	5M	7		✓
2314	9:46	10:17	$^3\vec{\text{He}}$	10	5M	8%		✓
2315	10:18	10:48	$^3\vec{\text{He}}$	10	5M	7		✓
2316	10:49	11:28	$^3\vec{\text{He}}$	10	5M	7	I = 0.5 @ start of run	✓
2317	11:35	12:11	$^3\vec{\text{He}}$	10	5M	7	start HAPPex 31387	✓

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Date: 5-16-2009	Author: V. Sulkosky
Beam Energy: 2.0425 GeV	Using Pol ^3He Cell: <u>VN</u> , <u>Long</u> Tran, or Vertical
RHRS	BigBite
Momentum (GeV/c): 2.225	Polarity: "-" Current (A): 55.5
Angle: -16°	Sieve Plate: IN or <u>OUT</u> ? Angle: -75°
Polarity: Positive	

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
21213	05:50	06:22	$^3\vec{\text{He}}$	10	4.47M	16	start HAPPEX run 31381	✓
21214	06:24	06:55	$^3\vec{\text{He}}$	10	4.47M	16		✓
21215	06:56	07:25	$^3\vec{\text{He}}$	10	4.47M	16		✓
21216	07:26	07:58	$^3\vec{\text{He}}$	10	4.47M	16	NMR Measurement 6.7%	✓
21217	07:59	8:29	$^3\vec{\text{He}}$	10	4.47M	16		✓
21218	8:29	9:00	$^3\vec{\text{He}}$	10	4.42M	16		✓
21219	9:01			10			JUNK → DAQ crash	
21220	9:09	9:45	$^3\vec{\text{He}}$	10	4.47M	16		✓
21221	9:46	10:16 10:16	$^3\vec{\text{He}}$	10	4.47M	16%		✓
21222	10:17	10:48 10:48	$^3\vec{\text{He}}$	10	4.47M	16%		✓
21223	10:49	11:28	$^3\vec{\text{He}}$	10	4.47M	16	I = 0.5 @ start of run	✓
21224	11:34	12:11	$^3\vec{\text{He}}$	10	4.48M	16	start HAPPEX 31382	✓

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Date: 5/16/09	Author: A. Puckett
Beam Energy: 2425 GeV	Using Pol ^3He Cell: <input checked="" type="radio"/> Y/N, <input checked="" type="radio"/> Long, Tran, or Vertical
LHRS	BigBite
Momentum (GeV/c): 2.300	Polarity: "-"
Angle: 14.5	Sieve Plate: IN or <input checked="" type="radio"/> OUT
	Current (A): 515.5
	Polarity: Positive
	Angle: -75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
2318	12:12	12:41	^3He	10	5M	8		✓
2319	12:42	13:11	^3He	10	5M	8		✓
2320	13:12	13:48	^3He	10	3.8M	7	Right arm was triggered off new end station	✓
2321	13:49	14:22	^3He	10	5M	8	Potential IOC problem NSL + Θ_1	✓
2322	14:23		^3He	10			right HRS DAQ crash	
2324	16:36	16:38	^3He			0		
2326	16:44	17:12	^3He	10	5M	7	prod	✓
2327	17:15	17:51	^3He	10	5M	7		✓
2328	17:51	18:36	^3He	10	2.4M	7		✓
2329	21:01	21:04	Muonit	2	274K	2	spot check	
2330	21:07	21:09	^3He	2	70K	0	Test	
2331	21:16	21:12	^3He	2	64K	0		

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Date:				Author: A. Puckett
Beam Energy: 2.425	GeV	Using Pol ³ He Cell: <input checked="" type="checkbox"/> Y/N, <input checked="" type="checkbox"/> Long	Tran, or Vertical	
RHRS	Momentum (GeV/c): 2.225			BigBite
Angle: 16.0	Polarity: "-"	Sieve Plate: IN or <input checked="" type="checkbox"/> OUT?	Current (A): 515.5	Polarity: Positive
			Angle: -75°	

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
21225	12:12	12:41	³ He	10	4.46M	16		✓
21226	12:42	13:11	³ He	10	4.51M	16		✓
21227	13:12	13:48	³ He	10	3.4M	16	Right arm gun tripped off end of run	✓
21228	13:49	14:22	³ He	10	4.52M	17	Potential Right Q1 ioc problem	✓
21229	14:23		³ He	10			right HRS DAQ crash	
21230	16:36	16:38	³ He	10		5		
21232	16:43	17:13	³ He	10	4.5M	17	prod	✓
21233	17:14	17:52	³ He	10	4.5M	17		
21234	17:53	18:36	³ He	10	2.2M	16		?
21235	21:00	21:04	mult-c	2	289K	13	spot	
21236	21:06	21:09	³ He	2	68K	5	Test	
21237	21:10	21:12	³ He	2	61K	5	test	

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Date: 5/16/09	Author: K. Wang
Beam Energy: 2425 GeV	Using Pol ^3He Cell: <input checked="" type="checkbox"/> N, Long, Tran, or Vertical
LHRS	BigBite
Momentum (GeV/c): 2.30	Polarity: "-"
Angle: 14.5	Sieve Plate: IN or OUT?
	Current (A): 515.5
	Polarity: Positive
	Angle: 75

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
2332	21:15	21:50	^3He	10	5M	8	prod	✓
2333	21:45	22:27	^3He	10	5M	7		✓
2334	22:32	22:59	^3He	10	5M	8		✓
2335	23:04	23:29	^3He	10	5M	8		
2336	23:30	23:33	^3He	10	319K	8		
2337	23:35	02:47	^3He	00	216K	-7	No beam	
2338	02:49	3:44	^3He	0	843K	0	cosmic	
2339	03:37	3:43	bed.	2	335K	3	check out raster 2x2	
2440	3:46	3:48	^3He	2	88K		check out raster 2x2	
2441	03:51	3:53	^3He	2	82K	0	check out raster	
2442	03:58	4:06	^3He	10	1.4M	12	production	✓
2443	04:08	4:38	^3He	10	5M	8	production	✓

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Date: 5/16/09	Author: K. Wong
Beam Energy: 2.425 GeV	Using Pol ^3He Cell: <input checked="" type="checkbox"/> IN, <input type="checkbox"/> Long, <input type="checkbox"/> Tran, or Vertical
RHRS	BigBite
Momentum (GeV/c): 2.225 Polarity: "-"	Current (A): 515.5 Polarity: Positive
Angle: 16 Sieve Plate: IN or OUT? <input checked="" type="checkbox"/>	Angle: 25

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
21238	21:14	21:45	^3He	10	9.5M	17		✓
21239	21:46	22:27	^3He	10	4.5M	17		✓
21240	22:31	23:00	^3He	10	4.5M	17		✓
21241	23:00	23:29	^3He	10	4.5M	17		
21242	23:29	23:33	^3He	10	289K	16		
21243	23:34	02:47	^3He	10	300K	7	No beam ^{Cosmic}	
21244	02:48	03:31	^3He	0	957K	8	Cosmic	
21245	3:50	03:53	^3He	2	75K		check out raster	
21246	03:57	4:06	^3He	10		16	production run, neutron detector HV off	✗
21247	04:07	4:38	^3He	10	4.26M	16	production run, HV on	✓

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More Comments:

~~21244~~ 21247: ND detector different from Jolen run.

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Date:	4/17		Author:	W. Lwo	
Beam Energy:	2.425	GeV	Using Pol ^3He Cell:	<input checked="" type="checkbox"/> N, <input checked="" type="checkbox"/> Long, Tran, or Vertical	
LHRS			BigBite		
Momentum (GeV/c):	2.30	Polarity: "-"	Current (A):	515.5	Polarity: Positive
Angle:	14.5	Sieve Plate: IN or <input checked="" type="checkbox"/> OUT?	Angle:	-7.5	

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
2344	4:39	5:16	^3He	10	5M	8		✓
2345	5:11	5:42	"	10	5M	7		✓
2346	5:54	6:30	"	10	5M	12	Momentum = 2.277 GeV/c	✓
2347	6:24	6:45	"	10	1.5M	12	Stop Counting at 1.5M	✓
2348	6:47	7:15	"	10	5M	12		✓
2349	7:16	7:44	"	10	5M	11		✓
2350	7:46	8:12	"	10	5M	13		✓
2351	8:13	8:39	"	11	5M	12		✓
2352	8:40	9:05	"	11	5M	12		✓
2353	9:06	9:32	"	11	5M	12		✓
2354	9:34	9:40	"	11		12	TDC Left now 21 ADC problem	
2355	9:41	10:10	"	11	5M	12	TDC / ADC now 21 problem	

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Date:	4/17	Author:	W. Luo
Beam Energy:	2.425 GeV	Using Pol ^3He Cell:	<input checked="" type="radio"/> N, <input checked="" type="radio"/> Long, Tran, or Vertical
LHRS		BigBite	
Momentum (GeV/c):	2.225	Polarity: "-"	Current (A): 515.5
Angle:	16°	Sieve Plate: IN or <input checked="" type="radio"/> OUT?	Angle: 75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
21248	04:38	05:11	^3He	10	4.5M	17	Neutron detector ok.	✓
21249	5:11	05:42	^3He	10	4.5M	17		✓
21250	5:53	6:20	"	10	4.1M	17		✓
21251	6:21	6:45	"	10	3.7M	16		✓
21252	6:46	7:15	"	10	4.09M	17		✓
21253	7:16	7:44	"	10	4.09	17		✓
21254	7:45	8:12	"	10	4.09	17		✓
21255	8:13	8:39	"	"	4.08	17		✓
21256	8:40	9:05	"	"	4.09	17		✓
21257	9:06	9:32	"	"	4.09	17		✓
21258	9:33	9:40	"	"		12		✓
21259	9:41	10:10	"	"	4.09	16		✓

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More Comments:

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

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
2356	10:12	10:38	^3He	6 μA	5M	11		✓
2357	10:39	11:06	"	"	5M	12		✓
2358	11:07	11:34	"	"	5M	11		✓
2359	11:35	12:01	"	"	5M	11		✓
2360	12:02	12:29	"	"	5M	12		✓
2361	12:30	13:03	"	"	5M	12		✓
2362	13:04	13:37	"	"	5M	12		✓
2363	13:38	14:07	"	"	5M	12		✓
2364	14:08	14:36	"	"	5M	12		✓
2365	14:37	15:04	"	"	JUNK		CODA CRASHED	
2366	14:40	15:07	"	"	5M	11		✓
2367	14:08	15:38	"	"	5M	12		✓

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