

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

Date: 5/13/09	Author: Averett
Beam Energy: 2.425 GeV	Using Pol ^3He Cell: <input checked="" type="radio"/> N, <input checked="" type="radio"/> Long, <input type="radio"/> Tran, or Vertical
RHRS	BigBite
Momentum (GeV/c): 2.25	Polarity: "-" Current (A): 518
Angle: 17° Not Moved. Sieve Plate: IN or <input checked="" type="radio"/> OUT?	Angle: Not Moved 75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
21070	9:05	9:36	$^3\vec{\text{He}}$	5	2.4M	8	T1 = 130 130 344 He	
21071	9:37	10:43	$^3\vec{\text{He}}$	5	2.3M		T1, T2 = 130 130 130 He	
21072	10:44		$^3\vec{\text{He}}$	5			.	
21073	10:55		$^3\vec{\text{He}}$	5		8%	same	
21074	11:05		$^3\vec{\text{He}}$	5	1.2m	8%		
21075	11:25	11:40	$^3\vec{\text{He}}$	5	1.2m	8%	T1 k2 = 1	
21076	11:41	12:04	$^3\vec{\text{He}}$	5	1.2m	8%		
21076	12:05		"					
21077			"	7.5				
21078			"	7.5				
21079	12:40		"	7.5		11%		
21080	12:55	1:20	"	7.5				

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Date: 13 May 2009	Author: Higinbotham
Beam Energy: 2425 GeV	Using Pol ^3He Cell: Y/N (Long) Tran, or Vertical
LHRS 2.3	BigBite
Momentum (GeV/c):	Polarity: "-" Current (A): 518 Polarity: Positive
Angle: 17° Not Moved. Sieve Plate: IN or OUT ?	Angle: Not Moved. 75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
2181	13:22	13:46	^3He	7.5A	4M	15%		✓
2182	13:47	14:11	^3He	7.5A	4.5M	15%		
2183 → 2184	14:20	15:00	^3He	7.50	5M	8%	Deadtime Monitor Fixed	
2185	15:00	15:30	^3He	7.5A	5M	8%		✓
2186	15:30		^3He	"	"	8%		✓
2186								
2187	16:05	16:34	^3He	7.5A	5M	7%		
2188	16:35	16:40	"	"	0.6M	"		
2189	16:40	16:52	"	"	1.8M	"		
2190	16:55	17:29	"	"	5.8M	"		
2191	17:30	18:00	"	"	5M	8%		
2192	18:00	19:05	"	"	0.7M	"		

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Date: 13 May 2009	Author: Wiginbotham
Beam Energy: 2425 GeV	Using Pol ³ He Cell: Y/N, Long, Tran, or Vertical
RHRS 2.25	BigBite
Momentum (GeV/c): 16°	Polarity: "-" Current (A): 518 Polarity: Positive
Angle: 17° Not Moved. Sieve Plate: IN or OUT?	Angle: Not Moved. 75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
21081	13:22	13:46	³ He	75 μA	2.5M	12%		✓
21082	13:47	14:14	³ He	75 μA	2.8M	12%		
21083 → 21084	14:20	15:00	³ He	75 μA	3M	12%		
21085	15:00	15:30	³ He	"	"	17%	Outarm Problem?! by start	✓
21085	15:30					11%		
21086								
21087	16:05	16:34	"	"	3M	11%		
21088	16:35	16:40	"	"	0.37M	"		
21089	16:40	16:52	"	"	1.1M	"		
21090	16:55	17:29	"	"	3M	"		
21091	17:30	18:00	"	"	3M	11%		✓
21092	18:00	18:05	"	"	0.4M	"		

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Date: 13 May 2009	Author: BLAINE NORUM
Beam Energy: 2425 GeV	Using Pol ³ He Cell: Y/N, Long, Tran, or Vertical
LHRS: 2.3	BigBite
Momentum (GeV/c):	Current (A): 518
Angle: 17° Not Moved. Sieve Plate: IN or OUT ?	Polarity: "-"
	Polarity: Positive
	Angle: Not Moved. 75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
2193	18:18	1841			-	8%		✓
2194	1841	1912			5M	"		✓
2195	1913	1941			5M	"		✓
2196	1942	2010			5M	7%		✓
2197	2010	2039			5M			✓
2198	2040	2109			5M	7%		✓
2199	2110	2138			5M	"		✓
2200	2139	2210			5M	8%		✓
2201	2210	2244			5M	"		✓
2202	2245	2312			5M	8		✓
2203	2312	2345			5M	8		
2204	2347	0:14			5M	8		✓

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Date: 13 May 2009	Author: BLAINE NORUM
Beam Energy: 2425 GeV	Using Pol ³ He Cell: Y/N Long, Tran, or Vertical
RHRS: 2.25	BigBite
Momentum (GeV/c):	Polarity: "-" Current (A): 518 Polarity: Positive
Angle: 47° Not Moved. 16°	Sieve Plate: IN or OUT? Angle: Not Moved. 75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
21093	18:18	18:41			-	12%	QA off	✓
21094	18:41	19:12			3M	"	QA on	✓
21095	19:13	19:41			3M	"		✓
21096	19:42	20:10			3M	12%		✓
21097	20:10	20:39			3M			✓
21098	20:40	21:09			3M	12%		✓
21099	21:10	21:38			3M	"		✓
21100	21:39	22:10			3M	12%		✓
21101	22:10	22:44			3M	"		✓
21102	22:45	23:17			3M	12		✓
21103	23:17	23:45			3M	12		✓
21104	23:45	01:15			3M	12		✓

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Date:	Author:
Beam Energy: GeV	Using Pol ^3He Cell: Y/N, Long, Tran, or Vertical
LHRS	BigBite
Momentum (GeV/c): Polarity: "-"	Current (A): 518 Polarity: Positive
Angle: 17° Not Moved. Sieve Plate: IN or OUT ?	Angle: Not Moved.

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
2205	0.16	0.45		8 μ	5M	8		✓
2206	0.46	1.26		8 μ	5M	8		✓
2207	1.30	1.37		8 μ	1.1M	8	<u>Big Bit</u>	
2208	1.40	1.48		8 μ	1.04M	8		✓
2209	1.51			8 μ		8	Junk	
2210	1.57	2.05		8 μ	1.07M	8		✓
2211	2.02	2.14		8 μ	1M	8		✓
2212	2.19	2.47		8 μ	5M	8	production	✓
2213	2.48	3.17		8 μ	5M	8		
2214	3.18	3.46		8 μ	5M	8		✓
2215	3.47	4.16		8 μ	5M	8		✓
2216	4.17	4.48		8 μ	5M	8		

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Date:	Author:
Beam Energy: GeV	Using Pol ^3He Cell: Y/N, Long, Tran, or Vertical
RHRS	BigBite
Momentum (GeV/c): Polarity: "-"	Current (A): 518 Polarity: Positive
Angle: 17° Not Moved. Sieve Plate: IN or OUT ?	Angle: Not Moved.

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
21105	0.16	0.45		8 μ	3 m	12		✓
21106	0.45	1.26		8 μ	3 m	12		✓
21107	1.30	1.37		8 μ	0.7 m	12		✓
21108	1.40	4.48		8 μ	0.6 m	12		✓
21109 21109	1.51			8 μ	0.	12	junk.	✓
21110	1.57	2.05		8 μ	0.67	12		✓
21111	2.08	2.14		8 μ	0.6 m	12		✓
21112	2.19	2.47		8 μ	3 m	12		✓
21113	2.48	3.17		8 μ	3 m	12		✓
21114	3.18	3.46		8 μ	3 m	12		✓
21115	3.47	4.16		8 μ	3 m	12		✓
21116	3.17	3.1		8 μ	3 m	12		✓

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Date: 14 May 2007	Author: W. J. B. Athan
Beam Energy: 24.25 GeV	Using Pol ^3He Cell: Y/N Long Tran, or Vertical
LHRS	BigBite
Momentum (GeV/c): 2300	Polarity: "-" Current (A): 518
Angle: 17° Not Moved. Sieve Plate: IN or OUT ?	Angle: Not Moved. 75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
2217	4:50	5:18		8 μA	5M	8		
2218	5:58	6:27		8 μA	5M	8		
2219	6:27	6:57		8 μA	5M	8		
2220	6:59	8:0		8 μA	0.09	8		
→ Down for Beam Studies ←								
2227			Optics	25 μA			} Q1 off	
2228	15:08	15:10	^3He	75 μA	200k			
2229	15:10	15:15	^3He	75 μA	500k	2% (?)		
→ Down for Moller								
2231	15:58	15:58	Nue	-			Test / No Target	
2232	16:02		Nue				(0 or -6%) Test / No Target	
2233	18:38	18:41	optics	2 μA	430k	6	optics run to check raster	

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Date: 14 May 2009	Author: Wiginbotham
Beam Energy: 2425 GeV	Using Pol ^3He Cell: Y/N, Long, Tran, or Vertical
RHRS Momentum (GeV/c): 2250 2225	BigBite Current (A): 518A
Angle: 17 Sieve Plate: IN or OUT?	Polarity: Positive Angle: 75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
21117	4:50	5:18		8 μ	3M	12		
21118	5:58	6:27		8 μ	3M	12		
21119	6:27	6:57		8 μ	3M	12		
21120	6:59	8:01		8 μ	0.09	12		
21135			optics	2.5 μA	200k		} Q1 OFF	
21136	15:08	15:10	^3He	7.5 μA	200k			
21137	15:10	15:15	^3He	7.5 μA	500k	10%		
→ Down for maintenance								
21138	15:58	16:58	None	-			Test / No Target	
21139	16:02		None			0%	Test / No Target	
21140	18:38	18:41	optics	2 μA	1.7k	2	optics run to check raster	

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Date: 14 May 2007	Author: M. Mezziane
Beam Energy: GeV	Using Pol ^3He Cell: Y/N, Long, Tran, or Vertical
LHRS	BigBite
Momentum (GeV/c):	Polarity: "-" Current (A):
Angle: 17	Sieve Plate: IN or OUT ? Angle: 75°
	Polarity: Positive

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
2234	18:42	18:45	optics	2 μA	554k	6	Router check	
2235	18:50	18:54	$^3\vec{\text{He}}$	2 μA	118k	6	Right arm problem = low rates	
2236	18:56	19:04	$^3\vec{\text{He}}$	2 μA	417k	0	Right arm problem = low rates	
2237	19:08	19:09	$^3\vec{\text{He}}$	2 μA	27.2k	0	"	
2238			JUNK					
2239	19:29	19:37	$^3\vec{\text{He}}$	2 μA	524k	0	HV pb fixed during this run	
2240	19:39	20:04	$^3\vec{\text{He}}$	2 μA	5M	9	↳ Back to production	OK
2241	20:07	20:36	$^3\vec{\text{He}}$	8 μA	5M	8		OK
2242	20:38	21:05	$^3\vec{\text{He}}$	8 μA	5M	10		OK
2243	21:07	21:37	$^3\vec{\text{He}}$	8 μA	4.1M	4	PS3 = 3!!	OK
2244	21:39	22:15	$^3\vec{\text{He}}$	8 μA	5M	5		OK
2245	22:18	22:30	$^3\vec{\text{He}}$	8 μA	1.4	5	BPM strange signal	

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