

LEFT-ARM ONLY on this page: A_y Production Run Sheet

Date: 05/8/09 - 05/09/09	Author: E. Long
Beam Energy: 12.425 GeV	Using Pol ^3He cell: <input checked="" type="checkbox"/> N, Long. Tran. of Vertical? <input checked="" type="checkbox"/>
Left HRS momentum (GeV/c): angle: 17° never moved.	BigBite (not in use for A_y) current (A): 518 A angle: never moved.
Sieve plate: IN or <u>OUT?</u>	polarity: "-" polarity: positive

Run Number	start time	stop time	target	beam (μA)	# of events	dead time	comments Happex run-#, T3, T4 rates, etc.	replay OK?	
1990	22:39	22:51	N2	5.5		13	2300/61		
1991	22:59	✓	REF	5.5			JUNK		
1992	22:59	23:16	REF	5/5		5 431k		✓	
1993	_____							JUNK Lost Beam	
1994							JUNK		
1995	23:38	23:54	H2	5.5	1.5M	11	1810/42		
1996	00:41	00:45	Be 0	2	494k		Beam Recovery		
1997	00:52	00:58	^3He	2	511k	6	Beam Recovery		
1998	00:59	01:17	^3He	5.5	2M	15		✓	
1999	01:18	01:34	^3He	5.5	2M	14		✓	
2000	01:34	01:49	^3He	5.5	1.6M	14		✓	
2001	01:50	01:55	^3He	5.5	500k	13		✓	

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Date:	Author:
Beam Energy: _____ GeV	Using Pol ^3He cell: Y/N, Long. Tran. or Vertical ?
Right HRS momentum (GeV/c) : _____ polarity: " - " angle : 17° never moved. Sieve plate: IN or OUT ?	BigBite (not in use for A_y) current (A) : 518 A polarity: positive angle : never moved.

Run Number	start time	stop time	target	beam (μA)	# of events	dead time	comments Happex run-#T1, T2 rates, etc.	replay OK ?
20897	18:43	18:46	^3He	5	150k	21		
20898	18:49	18:50	"	5.5	150k	23		
20899	18:52	18:54	"	"	150k	23		
20900							NO Beam	
20901	19:24	20:10	"	"	2.9M	24		✓
20902	20:27	21:07	"	"	3.6M	23	2000/108	✓
20903	21:13	21:15	RefCell	2			raster check	
20904	21:18	21:29	RefCell	5.5	0.05M	9		
20905	21:21	21:34	REF	5.5	18			
20906	_____							
20907	22:03	22:06	NZ	Z			600/20 Raster check	
20908	22:14	22:16	"		0.07M		22/37 R check 4x4	

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Date: <u>5/9/09</u>	Author: <u>E. Long</u>
Beam Energy: <u>2.425</u> GeV	Using Pol ^3He coll. <input checked="" type="checkbox"/> N, Long. Tran. of <u>Vertical</u> <input checked="" type="checkbox"/>
Left HRS momentum (GeV/c): <u>2.1813</u> polarity: "-"	BigBite (not in use for A_y)
angle: 17° never moved. Sieve plate: IN or OUT ?	current (A): 518 A polarity: positive angle: never moved.

Run Number	start time	stop time	target	beam (μA)	# of events	dead time	comments Happex run-#, T3, T4 rates, etc.	replay OK ?
2002	01:55	02:37	^3He	5.5	5M	14		✓
2003	02:38	02:57	^3He	5.5	2.2M	13		✓
2004	02:57	03:40	^3He	5.5	5M	14		✓
2005	03:40		^3He	5.5		8	JUNK	
2006	03:47	4:29	^3He	5.5	5M	14		✓
2007	04:29	05:12	^3He	5.5	5M	14		✓
2008	05:13	05:55	^3He	5.5	5M	14		✓
2009	05:56		^3He	5.5		14	ROC 10 Crashed	✓
2010	06:40	07:23	^3He	5.5	5M	15		✓
2011			^3He	5.5			JUNK	
2012							JUNK	
2013							JUNK	

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Date: <u>5/9/09</u>	Author: <u>E. Long</u>
Beam Energy: <u>2.425</u> GeV	Using Pol ^3He cell: <input checked="" type="checkbox"/> N, Long. Tran. of <u>Vertical?</u>
Right HRS momentum (GeV/c): <u>2.1813</u> polarity: " <u>-</u> " angle: 17° never moved. Sieve plate: IN or <u>OUT?</u>	BigBite (not in use for A_y) current (A): 518 A polarity: positive angle: never moved.

Run Number	start time	stop time	target	beam (μA)	# of events	dead time	comments Happex run-#T1, T2 rates, etc.	replay OK?
20910	22:35	22:52	H2	5.5		22	1750/140	
20911	22:55	—	REF	5.5			JUNK	
20912	23:09	23:10	REF	"		200k	130	✓
20913	—	—	—	—	—	—	JUNK lost beam	
20914	—	—	—	—	—	—	JUNK	
20915	23:38	23:54	H2	5.5	1M	17	1310/64	
20916	00:59	01:17	^3He	5.5	1.4M	24		✓
20917	01:18	01:34	^3He	5.5	1.4M	24		✓
20918	01:34	01:49	^3He	5.5	1.2M	22		✓
20919	01:50	01:55	^3He	5.5	364k	22		✓

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Date: <u>5/9/09</u>	Author:
Beam Energy: <u>2.425</u> GeV	Using Pol ^3He cell: <u>(Y)</u> /N, Long. Tran. or <u>Vertical</u> ?
Left HRS momentum (GeV/c): <u>2.1813</u> polarity: " <u>-</u> " angle: 17° never moved. Sieve plate: IN or <u>OUT</u> ?	BigBite (not in use for A_y) current (A): 518 A polarity: positive angle: never moved.

Run Number	start time	stop time	target	beam (μA)	# of events	dead time	comments Happex run-#, T3, T4 rates, etc.	replay OK ?
<u>2014</u>	<u>07:32</u>	<u>08:35</u>	<u>^3He</u>	<u>5.5</u>	<u>5M</u>	<u>15</u>		<input checked="" type="checkbox"/>
<u>2015-16-17-18-19</u>	}		<u>JUNK</u>				<u>2028 dead</u>	
<u>-20-21-22-23-24-25</u>								
<u>2026</u>		<u>9:38</u>	<u>10:05</u>	<u>^3He</u>	<u>5.5</u>	<u>3.1M</u>	<u>14</u>	
<u>2027</u>							<u>Plastic size 6x6</u>	
<u>->23</u>			<u>JUNK</u>					
<u>2034</u>	<u>10:49</u>	<u>10:51</u>	<u>^3He</u>	<u>2</u>	<u>0.1M</u>	<u>6</u>	<u>Plastic size check 6x6</u>	
<u>2035</u>	<u>10:53</u>	<u>10:57</u>	<u>^3He</u>	<u>2</u>	<u>0.1M</u>	<u>6</u>	<u>Plastic size check</u>	
<u>2036</u>	<u>11:21</u>	<u>11:29</u>	<u>Empty</u>	<u>2</u>	<u>0.18</u>	<u>2</u>	<u>Plastic size 5x7</u>	
<u>2037</u>	<u>11:31</u>	<u>11:34</u>	<u>^3He</u>	<u>2</u>		<u>6</u>		
<u>2038</u>	/						<u>JUNK</u>	
<u>2039</u>	<u>11:54</u>	<u>12:39</u>	<u>^3He</u>	<u>5.5</u>	<u>5.</u>	<u>M</u>		<input checked="" type="checkbox"/>

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Date: 5/9/09	Author: E. Long
Beam Energy: 2.425 GeV	Using Pol ^3He cell: Y /N, Long. Tran. or Vertical? Y
Right HRS momentum (GeV/c): 2.1813 polarity: "-" angle: 17° never moved. Sieve plate: IN or OUT?	BigBite (not in use for A_y) current (A): 518 A polarity: positive angle: never moved.

Run Number	start time	stop time	target	beam (μA)	# of events	dead time	comments Happex run-#T1, T2 rates, etc.	replay OK ?
20920	01:55	02:38	^3He	5.5	3.6M	23		✓
20921	02:38	02:57	^3He	5.5	1.6M	23		✓
20922	02:57	03:40	^3He	5.5	3.6M	22	JUNK (Not Junk!)	✓
20923							JUNK	
20924	03:47	04:29	^3He	5.5	3.6M	23		✓
20925	04:29	05:12	^3He	5.5	3.6M	24		✓
20926	05:12	05:55	^3He	5.5	3.6M	23		✓
20927	05:55	06:33	^3He	5.5	3M	23		✓
20928	06:40	07:23	^3He	5.5	3.6M	24		✓
20929	07:24		^3He	5.5			JUNK	
20930							JUNK	

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Date: 5/9/09	Author: M Meziame
Beam Energy: 2.425 GeV	Using Pol ^3He cell: <input checked="" type="checkbox"/> N, Long. Tran. or Vertical? <input checked="" type="checkbox"/>
Left HRS momentum (GeV/c): 2.1813 polarity: "-" angle: 17° never moved. Sieve plate: IN or OUT?	BigBite (not in use for A_y) current (A): 518 A polarity: positive angle: never moved.

Run Number	start time	stop time	target	beam (μA)	# of events	dead time	comments Happex run-#, T3, T4 rates, etc.	replay OK ?
2040	12:41		$^3\vec{\text{He}}$	5.5		13		
2041	13:18	14:12	"	"	5	13	Left arm running only R HRS VDC BTM VOLTAGE - KIPPED	
2042	14:14	15:00	$^3\vec{\text{He}}$	5.5	5	13	"	
2044	15:36	15:42	$^3\vec{\text{He}}$	5.5	0.5	13	"	
2045	17:01	17:20	"	"			< 0.5 m12s	✓
2046	17:26		"	"			"	✓
2047			"	"			Cosmics	✓
2048		17:51	"	"	21K		Cosmics	
2049	17:56	18:01	"	4	4.5K		Cosmics	
Production → 2054	19:12		"	5.5		14	2450/56	✓
2055	19:59	20:51	"	6	5M	14	1970/55	✓
2056	20:55	21:54	"	"	5M	10	2400/56	✓

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Beam Energy: <u>2.425</u> GeV	Using Pol ^3He cell: <input checked="" type="checkbox"/> N, Long. Tran. or <input checked="" type="checkbox"/> Vertical?
Right HRS momentum (GeV/c): <u>2.1813</u> polarity: "-"	BigBite (not in use for A_y) current (A): 518 A polarity: positive
angle: 17° never moved. Sieve plate: IN or <input checked="" type="checkbox"/> OUT?	angle: never moved.

Run Number	start time	stop time	target	beam (μA)	# of events	dead time	comments Happex run-#T1, T2 rates, etc.	replay OK ?
20931	07:31	08:35	$^3\vec{\text{He}}$	5.5	3.5	23		✓
20932,33	}		JUNK				ROC 8 crashed	
34-35 →37	}							
20938	09:37	10:05	$^3\vec{\text{He}}$	5.5	2.48	14		✓
20939							Raster size 6x6 JUNK	
→43			JUNK					
20944	10:49	10:57	$^3\vec{\text{He}}$	2	0.08	8	Raster size check - 6x6	good
20945	10:53	10:57	$^3\vec{\text{He}}$	2	0.149	9	Raster size check.	good
20946	11:21	11:29	3He Empty	2	0.1	6	Raster size 5x7	bad
20947	11:30	11:34	$^3\vec{\text{He}}$	2		9		
20948	/						JUNK	
20949	11:54	12:39	$^3\vec{\text{He}}$	5.5	4	14	VDS BTM voltage tripped	✓

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Date:	Author: <u>Haru</u>
Beam Energy: GeV	Using Pol ^3He cell: Y/N, Long. Tran. or Vertical ?
Left HRS momentum (GeV/c) : angle : 17° never moved. Sieve plate: IN or OUT ?	BigBite (not in use for A_y) current (A) : 518 A polarity: positive angle : never moved.

Run Number	start time	stop time	target	beam (μA)	# of events	dead time	comments Happex run-#, T3, T4 rates, etc.	replay OK?
2057	22:00	22:45	3He	5.5	5M	15	2470/61	✓
2058	22:50		~	~		13	2375/50	✓
2059	23:45	0:28	3He	5.5	5M	14	2500/54 Hz	✓
2060	0:29	1:11	3He	5.5	5M	14	2445/59	✓
2061	1:12	1:57	3He	5.5	5M	14	2470/59	✓
2062	1:58	2:40	3He	5.5	5M	14	2441/63	✓
2063	2:52	3:20	3He	5.5	5M	7	2467/56 Hz (B)	✓
2064	3:23	4:49	3He	5.5	5M	15	2601/60	✓
2065	4:50	5:40	3He	5.5	5M	15	2548/55	✓
2067	5:50	6:10	3He	5.5	5M	3	2443/58 Hz	✓
2068	6:12	6:53	3He	5.5	5M	15	2424/58 Hz	✓
2069	6:59	7:40	3He	5.5	8M	15	2535/61	

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Date: <u>5/09/09</u>	Author: <u>M. Mezian</u>
Beam Energy: <u>2.475</u> GeV	Using Pol ^3He cell: <input checked="" type="checkbox"/> Y/N, Long. Tran. or Vertical? <input checked="" type="checkbox"/>
Right HRS momentum (GeV/c): <u>2.1813</u> polarity: " <u>-</u> " angle: <u>17°</u> never moved. Sieve plate: IN or <u>OUT</u> ?	BigBite (not in use for A_y) current (A): <u>518 A</u> polarity: positive angle: never moved.

Run Number	start time	stop time	target	beam (μA)	# of events	dead time	comments Happex run-#T1, T2 rates, etc.	replay OK ?
20950	12.40		^3He	5.5		12		
/	/	/	/	/	/	/	No right arm.	
20951	14.13	15.01	^3He	5.5	4	12	Right VDC BTM Voltage tripped	
/	/	/	/	/	/	/	Cosmics	
20952	17.07	17.26	^3He	"	"	"	Cosmics	✓
20953	17.26		"	"	"	"	Cosmics	✓
20954			"	"	"	"	Cosmics	✓
20955		17.57	"	"	19K	✓	Cosmics	
20956	17.57	18.01	"	"	4K		Cosmics	
Production 20961	14.12		"	5.5		14	1490/108	✓
20962	19.59	20.59	"	"	4M	15	873/49	✓
20963	20.55	21.54	"	"	4M	11	2000/99	✓

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