

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

Date: 5/4/09 → 5/5/09	Author: GOLGE / H. Kang
Beam Energy: _____ GeV	Using Pol ^3He cell: Y/N, Long. Tran. or Vertical ?
Left 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-#, T3, T4 rates, etc.	replay OK ?
1844	23:23	00:11	^3He	10	2M	6	808/46	✓
1845	00:13	01:18	^3He	10	2M	6	776/46	✓
1846	01:19	02:09	^3He	10	2M	6	823/46 End Happex run	✓
1847	02:11	02:43	^3He	10	936k	6	800/46 New Happex run # 31328	✓
1848	02:54	04:37	^3He	10	2M	6	808/48	✓
1849	04:39	04:24	^3He	10	2M	6	836/48	✓
1850	04:22	05:03	^3He	10	2M	6	807/48	✓
1851	05:04	05:52	^3He	10	2M	5	840/45	✓
1852	05:53	06:21	^3He	10	54k		Almost no beam Junk	
1853	06:36	07:01	^3He	10	1.2M	6	829/51 Beam off going to controlled access	✓
1856	16:01	16:07	Carbon				spot check	α
1857	16:10	16:14	Carbon				Spot #	

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: <u>5/4/09</u>	Author: <u>Vineet Punjabi / GOLGE</u>
Beam Energy: <u>3.606</u> GeV	Using Pol ^3He cell: Y/N, Long. Tran. or Vertical ?
Right HRS momentum (GeV/c): <u>3.0855</u> 1.22205 polarity: "-"	BigBite (not in use for A_y) current (A) : 518 A polarity: positive
angle : 17° never moved. Sieve plate: IN or 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 ?
20738	13:18	14:01	He^3	10	1.5M	12	637/51	✓
20739	14:02	14:48	He^3	10	1.5M	14	643/55	✓
20740	14:53	15:39	He^3	10	1.5M	14	671/53	✓
20741	15:40	16:23	He^3	10	1.5	13	657/57	✓
20742	16:23	17:09	"	"	1.5	12		✓
20743	17:10	17:53	"	"	1.45M			
20744	17:54	18:38	"	"	1.5M	12		✓
20745	18:38	19:28	"	"	"	12		
20746	19:29	20:12	"	"	"	12		
20747	20:13						JUNK dead time	100%
20748							Sunk	
20749	22:47	23:22	^3He	10	1.2M	12		✓

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Left 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-#, T3, T4 rates, etc.	replay OK ?
1858	16:18	16:23	optics				Spot H 6.6	
1859	16:31	16:30	He^3				T3 check	
1860	16:38	16:40	He^3				T3 check	
1861	16:43	16:56	He^3	5 μA				✓
↓								
↓								
							Data OK?	
1868								
1869							Test DAD	

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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 ?
20750	5/4 23:23	5/5 00:12	^3He	10	1.5M	13	666/52	✓
20751	00:12	01:18	^3He	10	1.5M	12	646/52	✓
20752	01:18	02:10	^3He	10	1.5M	12	660/53 End Happex run	✓
20753	02:11	02:44	^3He	10	206k	12	609/52 <small>Reature Ends them</small> New Happex run # 31328	✓
20754	02:54	03:38	^3He	10	1.5M	12	657/53	✓
20755	03:38	04:21	^3He	10	1.5M	13	639/51	✓
20756	04:21	05:04	^3He	10	1.5M	11	615/51	✓
20757	05:04	05:52	^3He	10	1.5M	12	652/60	✓
20758	05:52	06:21	^3He	10	44k		Almost no beam Junk	
20759	06:35	07:01	^3He	10	872k	12	641/51 <small>Beam off going to controlled access</small>	✓
20762	16:01	16:07	Carbon				spot check	X
20763	16:10	16:14	Carbon				spot ++	

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Beam Energy: _____ GeV	Using Pol ^3He cell: Y/N, Long. Tran. or Vertical ?
Left 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-#, T3, T4 rates, etc.	replay OK ?
1878	19:30	19:33	C	5	160K		T3=1 spot ++ (4x4)	
1879	19:40	19:43	^3He	2	36K	2	T3=1/T4=1 · 163/13 (4x4)	
1880	19:47	19:51	^3He	2		1	170/15	
1881	20:03	20:23	^3He	10	970K	6	815/50	✓
1882	20:26	21:08	^3He	10	2M	6	827/51	✓
1883	21:17	21:21	H ₂	2			spot ++ (4x4)	
1884	21:23		H ₂	10		4	Ref. cell H ₂	
1885	22:07	22:45	H ₂	8	1M			
1886	22:53	22:57	^3He	2			spot ++ (4x4)	

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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 ?
20764	16:18	16:28	He^3				spot ++ 6.6	
20765	16:30	16:43	He^3				T3 check	
20766	16:37	16:40	He^3				T3 check	
20767	16:43	16:56	He^3	SMA			50% Ended early to Reboot ROC8 ✓	
↓								
							DAQ Messed JP	
20774								
20775							Test DAQ	

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Date: 05/06/09 → 05/07/09	Author: GOLGE / H. Kang
Beam Energy: GeV	Using Pol ^3He cell: Y/N, Long. Tran. or Vertical ?
Left 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-#, T3, T4 rates, etc.	replay OK ?
1900							Spot tr 4x4	
1901	21:26	21:34	^3He	2			187/16 (2x2)	
1902	21:36	21:44	^3He	2			196/19 (6x6)	
1903	21:47	21:49	^3He	10		4	Production [Beam Trip]	
1904	21:59	22:10	^3He	10	400K	6	Production 850/50	
1905	22:16	22:19	"	2		1		
1906	22:20	23:01	"	10	2M	6	Production	✓
1907	23:02	23:44	"	10	2M	6	Production	✓
1908	23:45	00:29 ⁵⁷	"	"	2M	6	837/51 End of Happex	✓
1909	00:31	01:19	"	"	2M	6	848/49 New Happex run # 31334	✓
1910	01:20	02:04	"	"	2M	6	823/49	✓
1911	02:05	02:52	"	"	2M	6	831/44	✓

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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 ?
20785	19:30	19:33	C	5	—			
20786	19:40	19:43	^3He	2	27K	11	T ₁ = 1/T ₂ = 1 135/20	
20787	19:47	19:51	^3He	2			143/20	
20788	20:03	20:23	^3He	10	730K	15	655/61	✓
20789	20:25	21:08	^3He	10	2M	13	645/63	✓
20790	21:17	21:21	H ₂	2			SPOT + + (4x4)	
20791	21:23		H ₂	10		8	Ref. cell H ₂	
20792	22:07	22:46	H ₂	2	683K			
20793	22:53	22:57	^3He	2				

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Date: 05/07/09	Author: H. Kang
Beam Energy: GeV	Using Pol ^3He cell: Y/N, Long. Tran. or Vertical ?
Left HRS momentum (GeV/c): angle: 17° never moved.	BigBite (not in use for A_y) current (A): 518 A polarity: positive angle: never moved.
Sieve plate: IN or OUT ?	polarity: "-"

Run Number	start time	stop time	target	beam (μA)	# of events	dead time	comments Happex run-#, T3, T4 rates, etc.	replay OK ?
1912	02:53	03:35	^3He	10	2M	6	895/46	✓
1913	03:36	04:18	^3He	11	2M	6	863/45 Happex ROC problem	✓
1914	04:20	05:00	//	//	2M	6	861/56	✓
1915	05:07	05:50	//	//	2M	6	845/50	✓
1916	05:51	06:30	//	//	2M	6	"	
1917	06:37		//	//			Junk ROC B problem	
1918							Junk	
1919	06:53	07:42	^3He	10	2M	14	819/49 Run start/end windows didn't pop up	✓
1920	07:44	08:37	//	//	2M	14	817/46 "	✓
1921	08:48	08:52	//	//			841/50	✓
1922	10:07	10:48	//	//	2M	12	841/50 841/50	✓
1923	10:51		//	//		6	839/45	✓

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1924 Pedestal Run

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

Run Number	start time	stop time	target	beam (μA)	# of events	dead time	comments Happex run-#T1, T2 rates, etc.	replay OK ?
20808							spst ++ 4x4	
20809	21:26	21:34	^3He	2			146/18 (2x2)	
20810	21:36	21:41	^3He	2			157/20 (6x6)	
20811	21:46	21:49	^3He	10			Production Unbuffered [Beam Trip]	
20812	21:59	22:10	^3He	10	295K	17	Production 650/60	
20813	22:16	22:19	"	2		12		
20814	22:20	23:01	"	10	1.4M	17	Production	✓
20815	23:02	23:45	"	"	1.4M	18	Production	✓
20816	23:45	00:29	"	"	1.4M	17	660/65 End of Happex	✓
20817	00:30	01:20	"	"	1.4M	18	647/57 New Happex run #31334	✓
20818	01:20	02:04	"	"	1.4M	16	677/57	✓
20819	02:04	02:53	"	"	1.4M	16	645/57	✓

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