

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

Date: 05/02/09/	Author: Hori
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 ?
1794	10:45	11:31	^3He	10	2M	6	811/53.48	✓
1795	11:33	12:20	^3He	10	2M	6	830/48 Hz	✓
1796	12:20	1:07	^3He	10	2M	6	817/43 Hz	✓
1797	1:08	2:08	^3He	10	2M	6	818/47 Hz	✓
1799					0			
1800	2:37	3:21	^3He	10	2M	5	836/46 Hz	✓
1801	3:23	4:08	^3He	10	2M	6	817/51	✓
1802	16:11	16:33	He^3	10	1M	5	828/46	✓
1803	16:34	17:18	He^3	10	2M	6	818/47	✓
1804	17:20	18:12	He^3	10	2M	5	799/45	✓
1805	18:14	18:19	He^3	10	23K		0 beam problem	✓
1806	18:38	19:23	He^3	10	2M	5	802/48	✓

Please change to a new run sheet for a new setting or a new type of run on the run plan.
More comments:

19M

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

Date:	Author: <i>C. Chen</i>
Beam Energy: <i>3.605</i> GeV	Using Pol ^3He cell: Y/N, Long. Tran. or Vertical ?
Right 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-#T1, T2 rates, etc.	replay OK ?
20688	00:26	1:11	^3He	10	1.5M	12	662.5/52.8 (T ₁ /T ₂)	✓
20689	1:14	2:07	^3He	10	1.5M	12	655.55/52.3	✓
20690	2:04	2:50	^3He	10	1.5M	12	561.9/50.4	✓
20691	3:12	3:54	^3He	10	1.5M	12	629.9/56.61	✓
20692	3:55	4:38	^3He	10	1.5M	12	649.6/56.81	✓
20693	4:39	5:29	^3He	10	1.5M	12	660.9/54.32	✓
20694	5:30	6:13	^3He	10	1.5M	12	652.6/52.65	✓
20695	6:13	7:00	^3He	10	1.5M	12	632.4/57.6	✓
20696	7:00	7:45	^3He	10	1.5M	12	648.2/53.47	✓
20697	7:46	8:20	^3He	10	1.09M	12	648.	✓
20698	9:13	9:59	^3He	10	1.8M	12	646/57 Hz	
20699	9:59	10:44	^3He	10	1.8M	12	636/55 Hz	

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

More comments:

17.5M

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

Date: 5/3/09	Author: K. Wang
Beam Energy: _____ GeV	Using Pol ^3He cell: <input checked="" type="checkbox"/> N, Long. Tran. or Vertical ?
Left HRS momentum (GeV/c) : _____ 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-#, T3, T4 rates, etc.	replay OK ?
1807	19:25	20:07	He^3	10	2M	5	788/53	✓
1808	20:09	20:53	He^3	10	2M	5	834/45	✓
1809	20:55	21:39	He^3	10	2M	5	854/51	✓
1810	21:41	22:26	He^3	10	2M	6	834/47	✓
1811	22:28	23:19	He^3	10	2M	6	835/45	✓
1812	23:20	23:34	He^3	10	570k	6	813/45 Ended by beam trip End Happex run	✓

Please change to a new run sheet for a new setting or a new type of run on the run plan.
More comments:

10.5M

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

Date: 05/02/09	Author: hui
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 ?
20700	10:45	11:31	3He	10	1.5M	12	656 / 50 Hz	✓
20701	11:33	12:20	3He	10	1.4M	12	637 / 55 Hz	✓
20702	12:20	1:07	3He	10	1.5	12	635 / 47 Hz	✓
20703	1:08	2:08	3He	10	1.5	12	634 / 48 Hz	✓
20706	2:37	3:21	3He	10	1.49M	12	652 / 54 Hz	✓
20707	3:23	4:08	3He	10	1.5M	12	637 / 58 Hz	✓
20708	16:11	16:33	He^3	10	1.5M	11	633 / 58 end Happex	✓
20709	16:34	17:18	He^3	10	1.5M	12	637 / 54	✓
20710	17:19	18:13	He^3	10	1.5M	13	657 / 56	✓
20711	18:13	18:19	He^3	10	1PK		accelerator problem	✓
20712	18:38	19:24	He^3	10	1.5M	11	654 / 51	✓

Please change to a new run sheet for a new setting or a new type of run on the run plan.
More comments:

13.4M

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

Date: <u>5/4/09</u>	Author: <u>H. Kang</u>
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 ?
1813	00:37	01:23	He^3	10	2M	5	787/49 New Happex run # 31321	✓
1814	01:25	02:14	He^3	10	2M	5	787/77	✓
1815	02:15	02:59	He^3	10	2M	5	793/48	✓
1816	03:01	03:48	He^3	10	2M	6	768/47	✓
1817	03:50	04:35	He^3	10	2M	5	799/46 End Happex run	✓
1818	03:37	05:24	He^3	10	2M	5	752/47 New Happex run # 31322	✓
1819	05:25	06:11	He^3	10	2M	5	761/49	✓
1820	06:12	07:00	He^3	10	2M	5	732/40	✓
1821	07:01	07:54	He^3	10	2M	5	703/37	✓
1822	07:55	8:21	He^3	10	863k	6	829/52 had to stop for injector work	✓
1823	8:39	9:25	He^3	10	2M	6	839/47	✓
1824	9:27	10:18	He^3	10	1.6M	6	826/47	✓

Please change to a new run sheet for a new setting or a new type of run on the run plan.
More comments:

22.4M
1.6M

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

Date: <u>5/3/09</u>	Author: <u>K. Wang</u>
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 ?
20713	19:24	20:07	He^3	10	1.5M	92	640/53	✓
20714	20:09	20:54	He^3	16	1.5M	12	637/56 happax	✓
20715	20:54	21:40	He^3	10	1.5M	12	631/50	✓
20716	20:40	22:27	He^3	10	1.5M	11	641/47	✓
20717	22:27	23:19	He^3	10	1.5M	12	642/57	✓
20718	23:20	23:35	He^3	10	427k	12	627/59 Ended by beam trip End Happex run	✓

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 More comments:

8M

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

Date: 5/4/09	Author: Viva Punjabi
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 ?
1825	11:19	11:24	multi-layered carbun	5	366k	7	1100/51 optic on	
1826	11:25	11:29	C	5	232k	8	1080/50 11 raster on	
1827	11:34	11:42	C	5	354k	7	1060/48 optic raster run off	
1828	11:48	11:51	C	5	150k	8	11 raster on	
1829			deuterium D	10			check out	
1830	12:04	12:36	D	10	1.1M	4	645/41	✓
1831	12:38	13:11	D	10	1.1M	5	64k/42	✓

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More comments:

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

Date: 5/4/09	Author: H. Kang
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 ?
20719	00:36	01:24	He^3	10	1.5M	12	608/49 New Happex run # 31321	✓
20720	01:25	02:14	He^3	10	1.5M	12	606/53	✓
20721	02:15	03:00	He^3	10	1.5M	12	607/47	✓
20722	03:00	03:48	He^3	10	1.5M	11	635/51	✓
20723	03:49	04:35	He^3	10	1.5M	13	618/53 End Happex run	✓
20724	04:37	05:24	He^3	10	1.5M	12	602/44 New Happex run # 31322	✓
20725	05:25	06:11	He^3	10	1.5M	11	607/55	✓
20726	06:12	07:00	He^3	10	1.5M	12	570/53	✓
20727	07:00	07:55	He^3	10	1.5M	11	540/49	✓
20728	07:55	8:21	He^3	10	646K	11	645/53	✓
20729	8:39	9:26	He^3	10	1.5M	13	644/51	✓
20730	9:27	10:18	He^3	10	1.2M	13	627/47	✓

Please change to a new run sheet for a new setting or a new type of run on the run plan.
 More comments: ~ 17 M V2.5M

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

Date: <u>5/4/09</u>	Author: <u>Vinod Punjabin / GOLGE</u>
Beam Energy: <u>3.606</u> GeV	Using Pol ^3He cell: <input checked="" type="checkbox"/> Y / N, Long. Tran. or <u>Vertical</u> ?
Left HRS momentum (GeV/c): <u>3.0855</u> 3.2000 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): 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 ?
1832	13:18	14:01	He^3	10	2M	5	816/47	✓
1833	14:02	14:48	He^3	10	2M	5	808/43	
1834	14:53	15:39	He^3	10	2M	6	838/50	
1835	15:40	16:23	He^3	10	2m	6	824/50	
1836	16:25	17:07	"	"	"	6		✓ ○
1837	17:08	17:53	"	"	"	6		
1838	17:54	18:38	"	"	2	6		✓
1839	18:39	19:28	"	"	"	6		
1840	19:29	20:12	"	"	"	6		
1841	20:13						JUNK dead time 100%	
1842							Junk 'dead time 100%	
1843	22:47	23:22	^3He	10	15M	6		✓

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 More comments:

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

Date: 5/4/09	Author: Virena Panjicini
Beam Energy: GeV	Using Pol ^3He cell: Y/N, Long. Tran. or Vertical ?
Right HRS momentum (GeV/c): angle : 17° never moved.	BigBite (not in use for A_y) current (A) : 518 A angle : never moved.
polarity: "-" Sieve plate: IN or OUT ?	polarity: positive

Run Number	start time	stop time	target	beam (μA)	# of events	dead time	comments Happex run-#T1, T2 rates, etc.	replay OK ?
20731	11:19	11:24	C	5	315k	14	970/67 OPHIC raster run on	
20732	11:25	11:29	C	5	197k	15	960/66 OPHIC raster run on	
20733 20733	11:34	11:40	C	5	301k	15	930/70 OPHIC raster off	
20734	11:48	11:51	C	5	128k	14	" raster on	
20735			D	10			checkout run	
20736	12:04	12:36	D	10	779k	11	468/42	✓
20737	12:38	13:11	D	10	800k	11	466/45	✓

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More comments: