

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

Date:	Author:
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?
1925	11:32	12:14	^3He	10	2M	7	846/50 R	✓
1926	12:24	12:35	"	"		6	844/51 Right only	
→ 1927	12:37	13:00	"	"	1M	5	817/51	✓
1928	13:01	13:28	"	"	.66M	6	836/50	
1929	13:31	14:29	"	=	113K	2	11/7 Cosmtc	

1930	14:31	14:38	-	-	12447	6		
1931	15:47	15:51	^3He	10			77/11	
1932	15:57		"	"			838/52	

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

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

Date: 05/07/09	Author: H. Karz
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 ?
20820	02:53	03:35	^3He	10	1.4M	16	702/66	✓
20821	03:35	04:19	"	"	1.4M	17	664/54	✓
20822	04:19	05:06	"	"	1.4M	17	646/57	✓
20823	05:06	05:50	"	"	1.4M	16	654/59	✓
20824	05:50	06:36	"	"	1.4M	16	"	
20825	06:36		"	"			Junk	
20826	06:53						Junk	
20827	06:53	07:43	^3He	10	1.6M	17	649/57	✓
20828	07:43	08:37	"	"	1.4M	15	614/58	✓
20829	08:43	8:52	"	"				✓
20830	10:07	10:48	"	"	1.44M	16	644/50 682/47	✓
20831	10:50		"	"		18	672/67 right only	✓

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

20832 Pedestal Runs

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

Date: 05/07/09 → 05/08/09	Author: Harri / H. Kang
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 ?
1932	3:57	4:40	^3He	10	2M	6	869/51 Hz	
1932	4:40	4:57	"	"	0.4	6	869/56 Hz	
1934	5:00	5:23	^3He	10	1M	6	851/53 Hz	
1934	5:24		^3He	10		6		
1935	5:25		^3He	10		5		
1940	Junk							
1941	10:32	11:18	^3He	10	2M	6	860/51	
1942	11:18	00:18	^3He	10	1.6M			
1943	00:10	00:58	^3He	10	2M			✓
1944	00:59	01:43	"	"	2M	6	824/78	✓
1945	01:44	02:31	"	"	2M	5	793/52	✓
1946	02:32	03:14	"	"	1.7M	6	854/52 RGS down	✓

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

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

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 ?
20833	11:32	12:14	^3He	10	1.44M	17	643/59 Right Only	✓
20834	12:24	12:35	"	"		16	639/56 Right Only	
20835	12:37	13:00	"	"	1M	14	635/57	✓
20936	13:01	13:28	"	"	.48M	17	659/68	✓
20837	13:32		"	—			H/6 Cosmic	
20838	13:50	13:52	—	—	9.8k	6	T8 100 Hz	
20839	13:54	13:57	—	—	75k	0	1 kHz T8	
20840	13:58	13:59	—	—	14k	2	T1, psl=1 ~ 9-10 Hz	
20841	14:00	14:02	—	—	687	24	22 7-8 Hz	
20842	14:31	14:38	—	—	8000	6		
20843	15:47	15:51	^3He	10	1.44M	1	136/16	
20844	15:57		"	"			604/60	

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

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

Date: 05/08/09	Author: H. King
Beam Energy: GeV	Using Pol ^3He cell: Y/N, Long. Tran. or Vertical ?
Left HRS momentum (GeV/c): 3.0855 polarity: "-" 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 ?
1947	04:46	04:31	^3He	10	2M	6	843/48 New Happex run #31338	✓
1948	04:33	05:14	"	"	2M	5	868/52	✓
1949	05:15	06:01	"	"	2M	5	772/46	✓
1950	06:02	06:47	"	"	2M	5	828/44	✓
1951	06:47	07:30	"	"	2M	6	861/48	✓
1952	07:31	8:19	"	"	2M	6	849/46 New Happex run #31339	✓
1953	08:20	9:02	"	"	2M	5	832/52	✓
1954	09:09	9:57	"	"	2M	6	834/53	✓
1955	9:56	10:42	"	"	2M	5	823/43	✓
1958	11:08	11:53	"	"	2M	6	825/43 NO comment window	✓
1959	11:54	11:59	"	"	-2M	6	810/40 NO comment window	

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

Runs 1956 and 1957 had RUCS problem. Had to start code.

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

Date: 05/07/09 → 05/08/09	Author: Hari / 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 ?
20844	3:57	4:40	^3He	10	1.4	16	671/56	
20845	4:40	4:51	^3He	10	0.3	16	679/58	
20846	5:00	5:23	^3He	10	0.7	7	2	
20848					0.7			
20863	10:32	11:18	^3He	10	1.3M	13	682/54	
20864	11:18	00:01			1.1M		wrong ps8. It was infinity	
To align with left log								
20865	00:09	00:59	^3He	10	1.4M			✓
20866	00:59	01:43	"	"	1.4M	13	628/54	✓
20867	01:44	02:31	"	"	1.4M	13	630/51	✓
20868	02:31	03:45	"	"	2.3M	14	680/61	✓

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

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

Date:	Author:
Beam Energy: GeV	Using Pol ^3He cell: Y/N, Long. Tran. or Vertical?
Left HRS momentum (GeV/c): 2.1813 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 ?
1463	15:57	16:04	C	10			Raster Check	
1464	16:13	16:14	C	10	1.4M		Raster Check	
1465	16:22	16:26	C	"	.6M	33	" "	
1466	16:24	16:34	^3He	"	1.52M	6	Check	
1467	16:35	16:39	"	"			"	
1468		16:39	C	7			"	
Production 1469	16:46		"	"		5		
1470	16:46	17:02	"	"	2M	17	3100/73	✓
1473	17:08	17:21	"	"	2M	18	3225/68	✓
1474	17:23	17:40	"	"		17	3100/69	✓
1475	17:49	18:33	"	"	5M	16	381/50	✓
1476	18:34	18:42	"	"	1.67M	16	2900/70	—

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

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

Date: 05/08/09	Author: W. Kane
Beam Energy: GeV	Using Pol ^3He cell: Y/N, Long. Tran. or <u>Vertical?</u>
Right HRS momentum (GeV/c): 3.0955 polarity: "-" 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?
20869	03:46	04:32	^3He	10	1.4M	13	658/53 New Happex run #31338	✓
20870	04:32	05:14	T1	11	1.4M	14	676/57	✓
20871	05:15	06:02	"	"	1.4M	13	620/50	✓
20872	06:02	06:47	"	"	1.4M	12	636/52	✓
20873	06:47	07:30	"	"	1.4M	14	681/57	✓
20874	07:30	8:19	"	"	1.4M	13	683/64 New Happex run #31339	✓
20875	08:20	9:00	"	"	1.4M	13	643/57	✓
20876	09:04	9:54	"	"	1.4M	17	670/59 RHRS T2=1	✓
20877	9:55	10:42	"	"	1.4M	17	660/47 RHRS T2=1	✓
20878	11:01	11:53	"	"	1.4M	10	650/61 RHRS T2=∞	✓
20879	11:54	11:59	"	"	0.14M	9	665/53	

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

Replay after 50,000 events

RHRS-ps2 → 1 take few runs - 2 events each
ps2 should be 16777215

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

Date:	Author:
Beam Energy: GeV	Using Pol ^3He cell: Y/N, Long. Tran. or Vertical?
Right HRS momentum (GeV/c): 2.19? polarity: "-" 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 ?
20883	15:57	16:09	He	10			Raster check	
20884	16:13	16:19	He	10	1.1 M		Raster check	
20885	16:22	16:26	C	"	.47M	41	" "	
20886	16:29	16:34	^3He	He	.38M	11	check	
20887	16:35		"	"			"	
20888			"	7			"	
20889	16:40		"	"		10		
20890	16:46	17:02	"	"	.9M	7	2400/125	✓
20893	17:08	17:21	"	"	.9M	7	2550/138	✓
20894	17:23	17:40	"	"		6	2550/132	✓
20895	17:44	18:33	"	"	3.57M	2/24	2150/113	✓
20896	18:34	18:42	"	"	.48M	24	2200/123	✓

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

Production