

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

Date: 6/4/09	Author:
Beam Energy: 2427.20 GeV	Using Pol ³ He Cell: <input checked="" type="radio"/> N, <input type="radio"/> Long, <input type="radio"/> Tran, or Vertical
RHRS	BigBite
Momentum (GeV/c): 2.320	Polarity: "-"
Angle: 12.5°	Sieve Plate: IN or <input checked="" type="radio"/> OUT?
	Current (A): 518
	Polarity: Positive
	Angle: 75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
22064	21:41	22:11	He ³	9 μA	2.85M			
22065	22:12	22:41	³ He	9	2.85M	11		✓
22066	22:42	23:12	- -	9	2.86M	11		
22067	23:12	23:43	- -	9	2.85M	11		✓
22068	23:44	00:13	u	9	2.84M	10		✓
22069	00:16	00:28	u	9	1.01M	11	NHR = 62.4 / Start new new HARPEX = 10 needs NH	✓
22070	00:31	00:31 01:03	u	9	2.86M	11	NHR = 60.5	✓
22071	00:31 01:04	01:38	u	9 μ	2.88M	10		✓
22072	01:39	01:57	u	9 μ	0.97M	10		✓
22073	02:31	03:03	u	9	2.86M	10		✓
22074	03:04	03:35	u	9	2.86M	10		✓
22075	03:35	04:06	u	9	2.87	10		✓

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Date: 6/4/09	Author: W. Boeglin
Beam Energy: 2.4255 GeV	Using Pol ^3He Cell: <u>Y/N</u> , Long, Tran, or Vertical
LHRS 2	BigBite
Momentum (GeV/c): 2.320	Polarity: "-" Current (A): 568
Angle: 12.5°	Sieve Plate: IN or <u>OUT?</u> Angle: 75

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
3204	04:12	—	^3He	9	0	100	Junk: DAG did end packet usage	
3205	04:21	04:55	u	u	4M	7		✓
3206	04:56	5:26	u	u	4M	7		✓
3207	05:28	06:00	u	u	4M	8		✓
3208	06:00	06:32	u	u	4M	7		✓
3209	06:34	07:05	u	u	4M	7		✓
3210	07:06	07:24	u	0	15k	0	no beam	✓
3211	07:35	08:05	u	9	4M			✓
3212	08:06	8:39	u	9-10	1.77M	8	no beam	✓
3213	09:06	9:36	u	9	4M	8		✓
3214	09:37	10:12	u	9	4M	7-8		✓
3215	10:14	10:44	u	9	4M	8		✓

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Date: 6/4/09	Author: W Boegliu
Beam Energy: 2.4255 GeV	Using Pol ³ He Cell: <u>YN</u> , Long, Tran, or Vertical
RHRS 2.175	BigBite
Momentum (GeV/c): <u>2.30</u>	Polarity: "-" Current (A): 518 Polarity: Positive
Angle: 18°	Sieve Plate: IN or <u>OUT</u> ? Angle: 75

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
22076	04:12	04:16	³ He →	9	0.3M		Problem in left arm	
22077	04:20	04:55	"	"	2.67M	10		✓
22078	04:56	05:27	"	"	2.86M	10		✓
22079	05:27	06:00	"	"	2.86M	11		✓
22080	06:01	06:33	"	"	2.86M	10		✓
22081	06:34	07:05	"	"	2.85M	10		✓
22082	07:05	07:24	"	0	29k	0	no beam	—
22083	07:35	08:05	"	9	2.8M			—
22084	08:06	08:40	"	10	1.27M	16	no beam	✓
22085	09:05	09:36	"	9	2.85M	10%		✓
22086	09:37	10:13	"	9	2.87M	10		✓
22087	10:13	10:44	"	9	2.85M	10		✓

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Date: 6/4/09	Author: Ole Hansen
Beam Energy: 2.4255 GeV	Using Pol ^3He Cell: <input checked="" type="checkbox"/> N, <input checked="" type="checkbox"/> Long, Tran, or Vertical
LHRS Momentum (GeV/c): 2.320 Angle: 12.5°	BigBite Current (A): 518 Angle: 75 Polarity: "-" Polarity: Positive
Sieve Plate: IN or <input checked="" type="checkbox"/> OUT?	

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
3216	1045	1115	^3He	9	4M	7		✓
3217	1116	1147	"	9	4M	8		✓
3218	1149	1219	"	9	4M	8		✓
3219	1221	1255	"	9	4M	7		✓
3220	1300	1349	"	9	4M	8		✓
3221	1350	1420	^3He	9	4M	7		✓
3222	1421	1453	"	9	4M	7		✓
3223	1454	1525	"	9	4M	8		
3224	1526	1586	"	9	4M	8		
3225	1557	1628	"	9	4M			✓
3226	16:26	17:06	✓		4M		no KAPPEX, DAQ problem	
3227	17:19	17:52			4M		Compton restarted	

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Date: 6/4/09	Author: Ole Hanson		
Beam Energy: 2.4255 GeV	Using Pol ^3He Cell: <input checked="" type="radio"/> N, <input checked="" type="radio"/> Long Tran, or Vertical		
RHRS	BigBite		
Momentum (GeV/c): 2.175	Polarity: "-"	Current (A): 512	Polarity: Positive
Angle: 18°	Sieve Plate: IN or <input checked="" type="radio"/> OUT?	Angle: 75	

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
22088	1045	1115	3He	9	2.86M	10		✓
22089	1116	1147	"	9	2.86M	10%		✓
22090	1148	1219	"	9	2.87M	10		✓
22091	1221	1255	"	9	2.87M	10		✓
22092	1300	1350	"	9	2.87M	10	No beam at start	✓
22093	1350	1420	"	9	2.86M	10		✓
22094	1421	1453	"	9	2.85M	10		✓
22095	1454	1525	"	9	2.85M	10		
22096	1526	1556	"	9	2.85M	10		
22097	1557	1629	"	9				✓
22098	16:35	17:07	—				no kapper, DAQ problem	
22099	17:19	17:52			2.85		Compton restarted, NMC done	

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Date: 6/5/09	Author:
Beam Energy: 2.4255 GeV	Using Pol ^3He Cell: Y/N, Long Tran, or Vertical
LHRS	BigBite
Momentum (GeV/c): 2.320 Polarity: "-"	Current (A): 518 Polarity: Positive
Angle: 12.5 12.5° Sieve Plate: IN or OUT?	Angle: 75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
3228	17:53	18:24	^3He	99	4M	7		✓
3229	18:25	18:55	-		4M	8		
3230	18:56	19:27	-		4M			
3231	19:32	20:09			4M	7		
3232	20:09	20:22			1.8M			✓
3233	20:23	20:53			4M	6		
3234	20:55	21:25			4M	8		✓
3235	21:27	21:57			4M	7		✓
3236	21:59	22:11			1.79	8		
3237	22:14	22:46			4M	8		✓
3238	22:48	23:22			4M	8		✓
3239	23:23	23:30			0.6M	7	beam OFF : RF problems in line c	

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Date: 6/5/09	Author:
Beam Energy: 2.4255 GeV	Using Pol ^3He Cell: Y/N, Long, Tran, or Vertical
RHRS	BigBite
Momentum (GeV/c): 2.175 Polarity: "-"	Current (A): 518 Polarity: Positive
Angle: 18.0° Sieve Plate: IN or OUT ?	Angle: 75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
22100	17:52	18:24	^3He	9.3	2,85M	10		✓
22101	18:24	18:55	- -		2,86M	10		
22102	18:56	19:28	- -		2,87M			
22104	19:52	20:09			2,85M	10	<u>coda ended restarted</u>	
22105	20:09				1.27M		bad run? no end of run.	
22106	20:29	20:53			2.87M	11		
22107	20:54	21:26			2.86M	10		✓
22108	21:27	21:57			2.85M	10		✓
22109	21:54	22:12			1.27M	10		
22110	22:14	22:47			2,87M	4		✓
22111	22:48	23:22			2,89M	11		✓
22112	23:23	23:30			0.4M	11	beam OFF: RF problems in Southline	

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Date: 06/06/09	Author: Lamiaa
Beam Energy: 2.425 GeV	Using Pol ³ He Cell: <input checked="" type="checkbox"/> N, <input checked="" type="checkbox"/> Long, <input type="checkbox"/> Tran, or <input type="checkbox"/> Vertical
LHRS	BigBite
Momentum (GeV/c): 2.32	Polarity: "-"
Angle: 12.5	Sieve Plate: IN or OUT ?
	Current (A): 518
	Polarity: Positive
	Angle: 75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
3240	01:31	01:35	BeO	2.4 μA		11%	Test run (4x4 mm ² raster)	-
3241	01:37	01:44	"	"	501k	"	" "	-
3242	01:48	01:55	³ He	2 μA 6.5 μA	343k	1%	Test rates w/ ³ He target	-
3243	01:58	02:27	³ He	9 μA	4π	8	³ He Prod. run New Happen: 31481	✓
3244	02:30	03:00	³ He	9 μA	4π	8	" "	✓
3245	03:01	03:30	"	"	"	"	" "	✓
3246	03:31	04:00	"	"	"	7	" "	✓
3247	04:01	-	"	"	"		very high deadtime end run failed	Junk
3248	-	-					Restart code	Junk
3249	04:11	04:41	"	"	"	7	³ He Prod. run	✓
3250	04:41	05:10	"	"	"	8	" "	✓
3251	05:11	05:41	"	"	"	8	" "	✓

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Date: 06/06/09	Author: Lamiaa
Beam Energy: 2.625 GeV	Using Pol ^3He Cell: <input checked="" type="checkbox"/> N, <input checked="" type="checkbox"/> Long, <input type="checkbox"/> Tran, or <input type="checkbox"/> Vertical
RHRS Momentum (GeV/c): 2.175 Polarity: "-" Angle: (-)18° Sieve Plate: IN or <input checked="" type="checkbox"/> OUT?	BigBite Current (A): 518 Polarity: Positive Angle: 75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
22113	01:29	01:35	BeO target	2.4 μA	39k	8%	Test run w/ 4x4 raster	-
22114	01:37	01:44	"	"	425k	8%	" "	-
22115	01:48	01:55	^3He	2 μA 1.5 μA	287k	4% -7%	Test rates w/ ^3He raster	-
22116	01:58	02:28	^3He	9 μA	2.8M	11	^3He Prod. run. NewHapper run 21481	✓
22117	02:30	03:00	^3He	9 μA	"	11	" "	✓
22118	03:00	03:30	"	"	"	10	" "	✓
22119	03:30	04:00	"	"	"	11	" "	✓
22120	04:01		"	"	"	11	Pb w/ LHR'S deadline & coda.	Junk
22121								"
22122	04:11	04:41	"	"	"	10	^3He Prod. run	✓
22123	04:41	05:11	"	"	"	10	"	✓
22124	05:11	05:41	"	"	"	10	" "	✓

Start Happer run ←

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Date:	06/06/09	Author:	lamiaa
Beam Energy:	2.425	GeV	Using Pol ^3He Cell: <input checked="" type="checkbox"/> N, <input checked="" type="checkbox"/> Long, Tran, or Vertical
LHRS		BigBite	
Momentum (GeV/c):	2.32	Polarity: "-"	Current (A): 5.18
Angle:	12.5°	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?
3252	05:42	06:12	^3He	9	4M	7	^3He prod run start NewHappex run	↓
3253	06:14	06:15	"	"	"	7	NewNR calib → 61.9%	
3254	06:16	06:54	"	"	13K	"	magnet is down. No beam since the beginning of the run	Junk
3255	07:07	07:26	"	"	1.7M	8	Beam is back, start NewHappex & Prod. runs	✓
3256	07:43	07:53	"	"	8K	0-1	NO Beam	Junk
3257	08:02	08:38	"	"	4M	7		✓
3258	08:39	09:10	"	"	4M	8		✓
3259	09:11	09:42	"	"	4M	7		✓
3260	09:43	10:12	"	"	4M	8		✓
3261	10:14	10:44	"	"	4M	7		✓
3262	10:47	11:18	"	"	4M	7		✓
3263	11:19	11:50	"	"	4M	8		✓

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