

E04-007 Run sheet

Date : <u>May, 3 2008</u>	Kinematic : <u>F part III</u>	Author:
Left Arm momentum (GeV/c) : <u>0.997</u> angle : <u>14.5</u>	BigBite current (A) : <u>390</u> angle : <u>48°</u>	Right Arm momentum (GeV/c) <u>0.459</u> angle <u>104.998</u>

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4687	23:22	23:35	LH ₂ 6 cm	3.0	1 M	Production	✓
4688	23:36	23:49	"	3.0	1 M	Production	✓
4689	23:50	0:04	"	3.0	1 M	v v	✓
4690	0:04	0:17	"	3.0	1 M	Production	✓
4691	0.27	0.34	Al-Dum	3.5	1 M	Calibration	✓
4692	0.35	0.55	Al-Dum	3.5	1 M	Calibration	✓
4693	0.56	0.15	Al-Dum	3.5	1 M	Calibration	✓
4694	1.28	1.33	LH ₂ 6 cm w coll.	3.4	350 K	Production	✓
4695	1.36	1.50	LH ₂ 6 cm w coll.	3.4	1 M	Production	✓
4696	1.51	2.04	LH ₂ 6 cm w coll.	3.45	2 M	Production	✓
4697	2.05	1.17	LH ₂ 6 cm w coll.	3.4	1 M	Production	✓
4698	2.18	2.51	LH ₂ 6 cm w coll.	3.4	1 M	Production	✓

Comments:

E04-007 Run sheet

Date : <i>May 4 2008</i>	Kinematic : <i>F part III</i>	Author: <i>S. MARRONE</i>
Left Arm momentum (GeV/c) : angle :	BigBite current (A) : <i>390</i> angle : <i>68°</i>	Right Arm momentum (GeV/c) <i>0.45p</i> angle

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4699	2:32	2:55	<i>LiH₂ 6cm w coll</i>	3.4	<i>7M</i>	<i>Production</i>	<input checked="" type="checkbox"/>
4700	2:56	3:10	<i>LiH₂ 6cm w coll</i>	3.4	<i>570k</i>	<i>Production Beam off.</i>	<input checked="" type="checkbox"/>
4701	6:45	7:01	<i>LiH₂ 6cm w coll</i>	3.5	<i>1M</i>	<i>Production Beam is back.</i>	<input checked="" type="checkbox"/>
4702	7:02	7:15	<i>LiH₂ 6cm</i>	3.5	<i>1M</i>	<i>Production</i>	<input checked="" type="checkbox"/>
4703	7:16	7:28	<i>LiH₂ 6cm</i>	3.5	<i>1M</i>	<i>Production</i>	<input checked="" type="checkbox"/>
4704	7:29	7:42	<i>LiH₂ 6cm</i>	3.5	<i>1M</i>	<i>Production</i>	<input checked="" type="checkbox"/>
4705	7:43	7:54	<i>"</i>	3.5	<i>1M</i>	<i>Production</i>	<input checked="" type="checkbox"/>
4706	7:54	8:08	<i>"</i>	3.5	<i>1M</i>	<i>Production</i>	<input checked="" type="checkbox"/>
4707	8:09	8:22	<i>"</i>	3.5	<i>1M</i>	<i>Production</i>	<input checked="" type="checkbox"/>
4708	8:22	8:35	<i>"</i>	3.5	<i>1M</i>	<i>Production</i>	<input checked="" type="checkbox"/>
→ 4709	8:52	9:05	<i>LiH w coll</i>	3.5	<i>1M</i>	<i>Production</i>	<input checked="" type="checkbox"/>
4710			<i>"</i>	<i>4.0</i>		<i>Blank</i>	<input checked="" type="checkbox"/>
4711	9:12	9:21	<i>"</i>	<i>4.0</i>	<i>1M</i>	<i>Production</i>	<input checked="" type="checkbox"/>

Comments:

Run 4709 LH2 NO COLLIMATOR

E04-007 Run sheet

Date : <i>May 4 2008</i>	Kinematic : <i>F PART III</i>	Author:
Left Arm momentum (GeV/c) : <i>0.997</i> angle : <i>14.5 DEG</i>	BigBite current (A) : <i>390</i> angle : <i>48 DEG</i>	Right Arm momentum (GeV/c) <i>0.4596</i> angle <i>105 DEG</i>

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
4212	9:22	9:31	<i>LW₁</i> <i>no coll</i>	<i>4 μ</i>	<i>1M</i>	<i>Production</i>	<i>V</i>
4213	9:32	9:42	<i>4</i>	<i>4 μ</i>	<i>1M</i>	<i>Production</i>	<i>N</i>
4714	9:43	9:51	<i>4</i>	<i>4 μA</i>	<i>107</i>	<i>Production</i>	<i>V</i>
4715	9:52	10:05	<i>11</i>	<i>4 μA</i>	<i>1M</i>	<i>Production</i>	<i>V</i>
4716	10:05	10:18	<i>11</i>	<i>3.5</i>	<i>1M</i>	<i>Production</i>	<i>V</i>
4717	10:19	10:25	<i>11</i>	<i>3.5</i>	<i>0.5</i>	<i>Production</i> <i>trip w/c</i>	<i>V</i>
4718	10:31	10:43	<i>11</i>	<i>3.5</i>	<i>107</i>	<i>Production</i>	<i>V</i>
4719	10:44	11:01	<i>11</i>	<i>3.5</i>	<i>1M</i>	<i>Production</i>	<i>N</i>
4720	<i>11:02</i>	11:13	<i>LW₂</i>	<i>3.5</i>	<i>1M</i>	<i>Production</i>	<i>V</i>
4721	11:14	11:30	<i>LW₂</i>	<i>3.0</i>	<i>1M</i>	<i>Production</i> <i>low angle</i>	<i>V</i>
4722	11:31	11:46	<i>LH2</i>	<i>3.0</i>	<i>1M</i>		<i>V</i>
4723	11:47	12:03	<i>LH2</i>	<i>3.0</i>	<i>1M</i>		<i>V</i>

Comments:

last revision 05-April-2008

This file can be found at: <http://hallaweb.jlab.org/experiment/E04-007/Documents/Run-Sheet.ps>The LaTeX file can be at: <http://hallaweb.jlab.org/experiment/E04-007/Documents/LaTeX/Run-Sheet.tex>

Each Run 100-200k

Sheet1

I = 3.5 uA		1000	1700	13	12		1	12	100
RUN	T1	T2	T3	T4	T5	T6	T7	T8	
4733	10 Hz	10 Hz	1000 Hz	100 Hz	100 Hz	100 Hz	1000 Hz	10 Hz	
4734	10 Hz	10 Hz	1000 Hz	100 Hz	100 Hz	100 Hz	1000 Hz	10 Hz	
4735	10 Hz	10 Hz	1000 Hz	100 Hz	100 Hz	100 Hz	1000 Hz	10 Hz	
4736	10 Hz	10 Hz	1000 Hz	100 Hz	100 Hz	100 Hz	1000 Hz	10 Hz	
4737	10 Hz	10 Hz	1000 Hz	100 Hz	100 Hz	100 Hz	1000 Hz	10 Hz	
4738	10 Hz	10 Hz	1000 Hz	100 Hz	100 Hz	100 Hz	1000 Hz	10 Hz	

I = 2.5 uA		7000	12000	9	8		1	8	100
RUN	T1	T2	T3	T4	T5	T6	T7	T8	
4739	10 Hz	10 Hz	1000 Hz	100 Hz	100 Hz	100 Hz	1000 Hz	10 Hz	
4740	10 Hz	10 Hz	1000 Hz	100 Hz	100 Hz	100 Hz	1000 Hz	10 Hz	
4741	10 Hz	10 Hz	1000 Hz	100 Hz	100 Hz	100 Hz	1000 Hz	10 Hz	
4742	10 Hz	10 Hz	1000 Hz	100 Hz	100 Hz	100 Hz	1000 Hz	10 Hz	
4743	10 Hz	10 Hz	1000 Hz	100 Hz	100 Hz	100 Hz	1000 Hz	10 Hz	
4744	10 Hz	10 Hz	1000 Hz	100 Hz	100 Hz	100 Hz	1000 Hz	10 Hz	

I = 1.5 uA		4600	7700	5	1	5	100
RUN	T1	T2	T3	T4	T5	T6	T7
4745	10 Hz	10 Hz	1000 Hz	100 Hz	100 Hz	100 Hz	1000 Hz
4746	10 Hz	10 Hz	1000 Hz	100 Hz	100 Hz	100 Hz	1000 Hz
4747	10 Hz	10 Hz	1000 Hz	100 Hz	100 Hz	100 Hz	1000 Hz
4748	10 Hz	10 Hz	1000 Hz	100 Hz	100 Hz	100 Hz	1000 Hz
4749	10 Hz	10 Hz	1000 Hz	100 Hz	100 Hz	100 Hz	1000 Hz
4750	10 Hz	10 Hz	1000 Hz	100 Hz	100 Hz	100 Hz	1000 Hz
4751	10 Hz	10 Hz	1000 Hz	100 Hz	100 Hz	100 Hz	1000 Hz

E04-007 Run sheet

Date: MAY 4, 2008	Kinematic: F (PART IN)	Author:
Left Arm momentum (GeV/c): 0.997 angle: 14.5 DEG	BigBite current (A): 390 angle: 48 DEG	Right Arm momentum (GeV/c): 0.4596 angle: 105 DEG

Run number	start time (hh:mm)	stop time (hh:mm)	target	beam (μA)	# events	comments	replay?
4724	12:03	12:26	LH2	2.5	10		
4725	12:27	12:49	LH2	2.5	10		✓
4726	12:50	13:10	LH2	2.0	10		✓
4727	13:19	13:45	LH2	2.0	10		✓
4728	13:47	13:58	LH2	4.0	14		✓
4729	13:58	14:09	LH2	4.0	14		✓
4730	14:10	14:23	LH2	4.0	10		✓
4731	14:23	14:34	LH2	4.0	10		✓
4732	14:35	14:47	LH2	4.0	10		✓
4733	15:12	15:15	¹² C	3.5	0.25K		✓
4734	15:17	15:20	¹² C	3.5	0.15K	carbon target	✓
4735	15:23	15	¹² C	3.5		,	✓
						,	✓

Comments:

Run 4623 C Kinematics

P31 - 9000	-10000
P32 - 15000	-17000
P33 - 12	-13
P34 - 10	-12
P35 - 1	-1
P36 - 1	-1
P37 - 12	-12
P38 - 100	-100

E04-007 Run sheet

Date : MAY 4, 2008	Kinematic :	Author:
Left Arm momentum (GeV/c) : 1.194 angle : 14.5 deg	BigBite current (A) : 3.5 μA angle : 47 deg	Right Arm momentum (GeV/c) 0.4 angle

Run number	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4736	15:25	15:27	12	3.5	0.1 k	12c	
4737	15:28	15:30	12	3.5	0.1 k	12c	✓
4738	15:31	15:32	12c	3.5	0.1 k	12c	✓
4739	15:36	15:38	12c	3.5	0.1 k	12c	✓
4740	15:40	15:43	12c	2.5	0.1 k	12c	✓
4741	15:44	15:47	12c	2.5	0.1 k	12c	✓
4742	15:49	15:51	12c	1.5	0.1 k	12c	✓
4743	15:53	15:55	12c	2.5	0.1 k	12c	✓
4744	15:56	15:58	12c	2.5	0.1 k	12c	✓
4745	16:04	16:04	12c	2.5	0.1 k	12c	✓
4746	16:10	16:13	12c	1.5	0.1 k	12c	✓
4747	16:13	16:16	12c	1.5	0.1 k	12c	✓

Comments:

E04-007 Run sheet

Date : MAY 4, 2008	Kinematic :	Author:
Left Arm momentum (GeV/c) : 1.144 angle : 14.5 deg	BigBite current (A) : 1.5 A angle : 48 deg	Right Arm momentum (GeV/c) angle

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4748	16:17	16:19	¹² C	1.5	0.1k	12	✓
4749	16:20	16:22	¹² C	1.5	0.1k	12	✓
4750	16:23	16:26	¹² C	1.5	0.2k	12	✓
4751	16:27	16:30	¹² C	1.5	0.1k	12	✓
4752	16:45	16:50	¹² C	3.0	100 k	Calibration different Ang Calibration different Ang	
4753	16: -		¹² C				
4754							
4755							

Comments:

E04-007 Run sheet

Date : RAY 4 2008	Kinematic :		Author: S. MARONE
Left Arm momentum (GeV/c) : 1.194 angle : 20.5 Deg	BigBite current (A) : 1.5 angle : 105 Deg		Right Arm momentum (GeV/c) angle

Run number	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4752	16:45	16:50	¹² C	3.0	100 k	Calibration	
4753	16:51	17:08	¹² C	3.0	500 k	different angle 20.5° Calibration	✓
4754	17:10	17:29	¹² C	3.5	282 k	different angle 20.5° Lower beam current	✓
4755	17:31	18:20	Ta	4.0	500 k	changed target to Ta calib.	✓
4756	18:40	18:46	LH ₂ 6cm	4.0	367 k	changed target cal. to LH ₂ 6cm	✓
Right Arm 20867	16:51	17:32	¹² C	3.5-3	38 k	RIGHT ARM changing sample	✓
Right Arm 20868	17:31	18:20	Ta	4.0	23 k		
Right Arm 20869	18:40	18:35	LH ₂ 6cm	4.0	535 k		
4757	18:47	19:05	LH ₂ 6cm	1.0	1 M	Calibration	✓
4758	19:17	19:45	LH ₂ 6cm	5.0	1 M	Change momenta	✓
4759	19:46	20:13	LH ₂ 6cm	5.0	1 M	Production, Change Polarizer	✓
4760	20:14	20:39	LH ₂ 6cm	5.0	1 M	PRODUCTION	✓

Comments:

E04-007 Run sheet

Date : MAY 4 2008	Kinematic :	Author: S. MARRONE
Left Arm momentum (GeV/c) : angle :	BigBite current (A) : 1.5 angle : 105 deg.	Right Arm momentum (GeV/c) angle

Run number	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
L761	20:55	21:07	LiH ₂ 6 cm	7	780 k	7 μ A with RASTER PRODUCTION	✓
L762	21:10	21:25	LiH ₂ 6 cm	7	1 M	7 μ A with RASTER PRODUCTION	✓
L763	21:25	21:39	LiH ₂ 6 cm	7	1 M	7 μ A with RA PRODUCTION	✓
L764	21:40	21:54	LiH ₂ 6 cm	7	1 M	7 μ A with RASTER PRODUCTION	✓
L765	21:55	22:08	LiH ₂ 6 cm	7	1 M	7 μ A with RASTER PRODUCTION	✓
L766	22:09	22:22	LiH ₂ 6 cm	7	1 M	7 μ A with RASTER PRODUCTION	
L767	22:22	22:36	LiH ₂ 6 cm	7	1 M	7 μ A with RASTER PRODUCTION	✓
L768	22:36	22:50	LiH ₂ 6 cm	7	1 M	7 μ A with RASTER PRODUCTION	✓
L769	22:50	23:05	LiH ₂ 6 cm	7	1 M	PRODUCTION	✓
L770	23:05	23:15	LiH ₂ 6 cm	7	1 M	PRODUCTION	✓
L771					670 k	PRODUCTION	
L772							

Comments:

E04-007 Run sheet

Date : MAY 4, 2008	Kinematic : H	Author: F. CUSANNO
Left Arm momentum (GeV/c) : 0.960 angle : 20.5° 15° 20.5°	BigBite current (A) : 390 angle : 48°	Right Arm momentum (GeV/c) 0.4596 angle 105°

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4771	00:17	00:46	LH2	7	1M	BEAM TRIP AT THE BEGINNING	U
20870	00:17	07:43	LH2	I-6	930K	RIGHT ARM	
4772	00:46	00:59	LH2	7	1M	DEADTIME IS PRETTY HIGH, ABOUT 25-30%	U
4773	01:00	01:15	LH2	7	1M		U
4774	01:17	01:36	LH2	5.5	1M	DECREASED BEAM CURRENT TO REDUCE D.T.	U
4775	01:36	01:54	LH2	5.5	1M		U
4776	01:56	02:12	LH2	5.8	1M		U
4777	02:13	02:30	LH2	6.0	1M		U
4778	02:30	02:47	LH2	5.8	1M		U
4779	02:48	03:04	LH2	5.8	1M		U
4780	03:05	03:21	LH2	5.9	1M		U
4781	03:21	03:38	LH2	5.9	1M		U

Comments:

E04-007 Run sheet

Date : MAY 5, 2008	Kinematic : H	Author: F. CUSANNO
Left Arm momentum (GeV/c) : 0.960 angle : 20.5°	BigBite current (A) : 390 angle : 48°	Right Arm momentum (GeV/c) 0.4596 angle 105°

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4782	03:39	03:56	LH2	6	1M		
4783	03:57	04:13	LH2	6	1M		✓
4784	04:14	4:31	LH2	6	1M		✓
4785	4:31	04:44	LH2	6	1M		✓
4786	04:48	05:05	LH2	6	700k	ENDED DUE TO TRIP IN BIGBITE KWPC	✓
4787	05:06	05:21	LH2	6	1M		✓
4788	05:22	05:37	LH2	6	1M		✓
4789	05:38	6:00	LH2	6	1M		✓
4790	06:00	06:17	LH2	6	1M		✓
4791	06:17	06:34	LH2	6	1M		✓
4792	06:18 ^{06:35}	06:51	LH2	6	1M		✓
4793	06:51	07:08	LH2	6	1M		✓

Comments:

E04-007 Run sheet

Date : MAY 5, 2008	Kinematic : H	Author: F. CUSANNO
Left Arm momentum (GeV/c) : 0.960 angle : 20.5°	BigBite current (A) : 390 angle : 48°	Right Arm momentum (GeV/c) 0.4596 angle 105 105°

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4794	07:09	07:26	LH2	6	1M		
4795	07:26	07:42	LH2	6	1M		✓
20871	07:51	08:44	Dummy AL	6	93K	RIGHT ARM	✓
4796	07:51	08:15	Dummy AL	6	1M	CALIBRATION	✓
4797	08:15	08:40	Dummy AL	6	1M	CALIBRATION	✓
4798	08:40	08:44	Dummy AL	6	83K	CALIBRATION	✓
4799	12:48	13:10	Te	2.2	250K	CALIBRATION with TA	✓
20870 4800	13:21	13:29	e	2.4	173K	CALIBRATION with e	✓
20872	13:22	13:45	e	2.4	20K	CALIBRATION with e	✓
4801	13:34	13:45	e	1.5	250K	CALIBRATION Lower beam current	✓
4802	13:55	14:05	LH2	2.0	1M	CALIBRATION	✓
20873	13:55	14:45	LH2	2.0	63K	CRUNS on LH2 RIGHT ARM	✓

Comments:

E04-007 Run sheet

Date: May 5 2008	Kinematic: N	Author: S. HARRONE
Left Arm momentum (GeV/c): 2.045 angle: 13.2°	BigBite current (A): 350 angle: 48°	Right Arm momentum (GeV/c) 0.564 angle 105

Run number	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4803	15:39	15:45	LH ₂	2.9	310 k		
20874	15:40	17:36	LH ₂	2.9	125k	PRODUCTION	✓
4804	15:47	16:13	LH ₂	3.0	1M	PRODUCTION	✓
4805	16:16	16:38	LH ₂	3.5	1M	ADJUSTED PRESCALES	✓
4806	16:41	16:59	LH ₂	3.8	1M	ADJUSTED PRESCALES	✓
4807	17:20	17:35	LH ₂	4.5	1M	ADJUSTED PRESCALES	✓
4808	17:48	18:02	LH ₂	5 μ A	1M		✓
4809	18:02	18:14	LH ₂	5 μ A	1M		✓
20875	18:19	21:15	LH ₂	5 μ A	200k		✓
4810	18:15	19:01	LH ₂	5 μ A	1M		✓
4811	19:02	19:15	LH ₂	5	1M		✓
4812	19:16	19:29	LH ₂	5	1M		✓

Comments:

Date : May 5 2008	Kinematic : N	Author:
Left Arm momentum (GeV/c) : 2.045 angle : 13.2°	BigBite current (A) : 390 angle : 48	Right Arm momentum (GeV/c) 0.564 angle 105°

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			✓
4813	19:30	19:44	LW2	5	1M		✓
4814	19:44	19:59	LW2	5	1M		✓
4815	20:00	20:13	LW2	5	1M		✓
4816	20:14	20:28	LW2	5	1M		✓
4817	20:29	20:43	LW2	5	1M		✓
4818	20:44	20:57	LW2	5	1M		✓
4819	20:58	21:12	LW2	5	1M		✓
4820	21:13	21:28	LW2	5	1M		✓
20876	21:15	1:20	LW2	5	1M 2794		RIGHT ARM
4821	21:29	21:44	LW2	5	1M		✓
4822	21:45	21:58	LW2	5	1M		✓
4823	21:59	22:14	LW2	5	1M		

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : MAY 5, 2008	Kinematic : N	Author:
Left Arm momentum (GeV/c) : 2.045 angle : 13.2°	BigBite current (A) : 390 angle : 48°	Right Arm momentum (GeV/c) 0.564 angle 105°

Run number	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4824	22:15	22:32	LH2	5	17		
4825	22:33	22:46	LH2	5	20		✓
4826	22:47	23:00	LH2	5	14		✓
4827	23:00	23:27	LH2	5	14		✓
4828	23:27	23:43	LH2	5	14		✓
4829	23:43	23:59	LH2	5	14		✓
4830	00:00	0:16	LH2	5	14		✓
4831	0:17	0:32	LH2	5	14		✓
4832	0:32	0:47	LH2	5	17		✓
4833	0:48	1:02	LH2	5	17		✓
4834	1:22	1:35	LH2	5	17		✓
20877	1:22	4:34	LH2	5	222 k		✓

RIGHT
ARM

Comments:

E04-007 Run sheet

Date : May 6, 2008	Kinematic : N	Author:
Left Arm momentum (GeV/c) : 2.045 angle : 13.2°	BigBite current (A) : 390 angle : 48°	Right Arm momentum (GeV/c) 0.564 angle 105°

Run number	start time (hh:mm)	stop time (hh:mm)	target	beam (μA)	# events	comments	replay?
4835	1:36	1:52	LHe 6 cm	5	1n		✓
4836	1:53	2:07	"	"	1n		✓
4837	2:08	2:23	"	"	1n		✓
4838	2:23	2:37			1n		✓
4839	2:38	2:53			1n		✓
4840	2:53	3:08			1n		✓
4841	3:09	3:23			1n		✓
4842	3:24	3:37			1n		✓
4843	3:38	3:52			1n		✓
4844	3:53	4:08			1n		✓
4845	4:08	4:22			1n		✓
4846	4:22	4:36			1n		✓

Comments:

last revision 05-April-2008

This file can be found at: <http://hallaweb.jlab.org/experiment/E04-007/Documents/Run-Sheet.ps>

The LaTeX file can be at: <http://hallaweb.jlab.org/experiment/E04-007/Documents/LaTeX/Run-Sheet.tex>

E04-007 Run sheet

Date : MAY 6, 2008	Kinematic : N	Author:
Left Arm momentum (GeV/c) : 2.045 angle : 13.2°	BigBite current (A) : 390 angle : 48°	Right Arm momentum (GeV/c) 0.564 angle 105°

Run number	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
20878	4:34	6:13	LH ₂ 6cm	5	114 k		
4847	4:36	4:52			1n		RIGHT ARM
4848	4:53	5:07			1n		V
4849	5:10	5:23			1n		V
4850	5:24	5:38			1n		V
4851	5:39	5:54			1n		V
4852	5:54	6:13			1n		V
4853	6:23	6:41	dummy AL		1n		V
4854	6:43	7:00	dummy AL		1n		V
20879	6:43	1:00	dummy AL	7:09	27 k		V
4855	7:08	7:21	LH ₂ 6cm		1n		RIGHT ARM
20880	7:09	8:55	LH ₂ 6cm	5	140 k		V

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : <i>May 6, 2008</i>	Kinematic : <i>N</i>	Author:
Left Arm momentum (GeV/c) : <i>2.045</i> angle : <i>13.2°</i>	BigBite current (A) : <i>390</i> angle : <i>48°</i>	Right Arm momentum (GeV/c) <i>0.564</i> angle <i>105°</i>

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μA)			
4856	7:23	7:37	LH ₂ 6 cm	5	17		✓
4857	7:38	7:54	LH ₂ 6 cm	5	17		✓
4858	7:54	8:09	LH ₂ 6 cm	5	17		✓
4859	8:10	8:24		5	17	PRODUCTION	✓
4860	8:25	8:40	LH ₂ 6 cm	5	17	PRODUCTION	✓
4861	8:40	8:55	LH ₂ 6 cm	5	981 k	"	✓
	STOP FOR		BEAM	SURVEY		09:00	

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : <u>May 6 2008</u>	Kinematic : <u>/</u>	Author: <u>S. MARRONE</u>
Left Arm momentum (GeV/c) : angle : <u>/</u>	BigBite current (A) : angle : <u>/</u>	Right Arm momentum (GeV/c) angle <u>/</u>

COSMIC TEST for DEADTIME STUDY.

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
4863	10:47	11:05	Empty	/	40 k	COSMIC TEST T3=1; T7=100	
4864	11:05	11:06	Empty	/	/	RUBDISH	
4865	11:07	11:27	Empty	/	40 k	COSMIC TEST T3=1000; T7=1	
4866	11:27	11:28	Empty	/	/	COSMIC RUBDISH	
4867	11:28	11:52	Empty	/	52 k	COSMIC TEST T3=1; T7=1	
4868	11:53	12:20	Empty	/	523 k	COSMIC TEST T1=1; T2=1000	
4869	12:21	12:29	Empty	/	200 k	COSMIC TEST T1=1000; T2=1	
4870	12:29	12:45	Empty	/	108 k	COSMIC TEST T1-T7=1000	

Comments:

last revision 05-April-2008

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E04-007 Run sheet

KINEMATIC 0 part I

Date : May 6 2008	Kinematic : 0 Part I	Author: S. MARRONE
Left Arm momentum (GeV/c) : 2.328 GeV/c angle : 15.8 Deg	BigBite current (A) : 390 angle : 68 Deg	Right Arm momentum (GeV/c) 0.566 angle

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4871	13:00	13:21	Ta	4	100k *	beam energy check	✓
20881	13:00	13:21	Ta	4	18k	Right Arm	
20882	13:29	13:40	C	4		Right Arm	
4872	13:29	13:40	C	4	150k	Calibration C	✓
4873	13:41	14:51	C	4	100k	Calibration C changed PS.	✓
20883	13:41	14:00	C	4	20k	Right Arm	✓
4874	13:51	14:00	C	4	115k	CALIBRATION C T3 = T4 = T7 = 1	✓
20884	14:15	20:05	LH2 6cm	4	450k	Calibration RIGHT ARM	
4875	14:15	14:21	LH2 6cm	4	650k	Calibration H T3 = 1 kHz	✓
4876	14:22	14:30	LH2 6cm	450	450k	Calibration H T7 = 1 kHz	✓
4877	14:30	14:40	LH2 6cm	4	690k	Calibration H T3 = T7 = 1 kHz	✓
4878	14:48	15:28	LH2 6cm	4	1M	PRODUCTION	✓

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : **MAY 06, 2008**

Left Arm momentum (GeV/c) : **1.991**
 angle : **15.8°**

Kinematic : **0 PART III**

BigBite current (A) : **390**
 angle : **54°**

Author: **F. CUSANNO**

Right Arm momentum (GeV/c) **0.564**
 angle **105°**

Run number	start time (hh:mm)	stop time (hh:mm)	target	beam (μA)	# events	comments	replay
4879	15:30	15:00	LH2	5	1M		
4880	16:01	16:32	"	4.8	1M		
4881	16:39	16:55	"	7	1M		✓
4882	16:56	17:12	LH2	7	1M		✓
4883	17:12	17:30	LH2	7	1M		✓
4884	17:30	17:51	LH2	6	1M		✓
4885	17:52	18:08	LH2	7	1M		✓
4886	18:08	18:24	LH2	7	1M		✓
4887	18:24	18:42	LH2	7	1M		✓
4888	18:42	18:58	LH2	7	1M		✓
4889	19:00	19:15	LH2	7	1M		✓
4890	19:16	19:31	LH2	7	1M		✓

Comments:

E04-007 Run sheet

Date : MAY 6, 2008	Kinematic : 0 PART III	Author: F. CUSANNO
Left Arm momentum (GeV/c) : 1.991 angle : 15.8°	BigBite current (A) : 390 angle : 54°	Right Arm momentum (GeV/c) 0.564 angle 105°

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4891	19:31	19:48	LH2	7	1M		✓
4892	19:48	20:04	LH2	7	1M		✓
4893	20:04	20:12	LH2	7	1M		✓
20885	20:05	0:29	LH2	7	3526	RIGHT ARM	
4894	20:22	20:39	LH2	7	1M		✓
4895	20:39	20:55	LH2	7	1M		✓
4896	20:55	21:12	LH2	7	1M		✓
4897	21:12	21:30	LH2	7	1M		✓
4898	21:30	21:46	LH2	7	1M		✓
4899	21:47	22:02	LH2	7	1M		✓
4900	22:02	22:32	LH2	7	1M		✓
4901	22:39	23:14	AL bumby	7	1M	CALIBRATION	✓

Comments:

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E04-007 Run sheet

Date: MAY 6, 2008	Kinematic: 0 PART III	Author: F. CUSANNO
Left Arm momentum (GeV/c): 1.991 angle: 15.8	BigBite current (A): 390 angle: 54°	Right Arm momentum (GeV/c) 0.564 angle 105°

Run number	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4902	23:14	23:41	AL DOXYLY	7	1M	CALIBRATION	✓
4903	23:48	00:04	LH2	7	1n		✓
4904	00:04	0:23	LH2	6.8	1n		✓
4905	0:24	0:40	6cm	6.8	1n	RASTER UNSTABLE?	✓
20886	0:30	2:54	"			RIGHT ARM STOPPED ROCK	
4906	0:41	0:57	-	7	1n		✓
4907	0:58	1:14		7	1n		✓
4908	1:15	1:32		7	1n		✓
4909	1:33	1:49			1n		✓
4910	1:50	2:08			1n	BEAM UNSTABLE?	✓
4911	2:09	2:25			1n	NO DEAD TIME IN REPLAY	✓
4912	2:25	2:41			1n	BEAM UNSTABLE?	✓

Comments:

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E04-007 Run sheet

Date : May 7, 2008	Kinematic : 0 part III	Author: S. PROLLAN
Left Arm momentum (GeV/c) : 1.991 angle : 15.8°	BigBite current (A) : 390 angle : 54°	Right Arm momentum (GeV/c) : 0.564 angle : 105°

Data looks fine a replay

Run number	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4913	2:42		LH2 6a	7			
4914	2:56	3:11	LH2 6a		17	RUN STOPPED ROCS	✓
20887	2:57	7:35	"	7	349	wrong info supplied in data	✓
4915	3:12	3:28	"	7	17		
4916	3:26	3:44	"	7	17		✓
4917	3:45	4:02	"	7	17		✓
4918	4:03	4:18	"	7	17		✓
4919	4:19	4:35	"	"	17		✓
4920	4:36	4:51			17		✓
4921	4:52	5:11			17		✓
4922	5:13	5:29			17		✓
4923	5:30	5:46			17	No comment was in replay notes	✓

Comments:

E04-007 Run sheet

Date: May 7, 2008	Kinematic: 0 part III	Author: S. Frullow
Left Arm momentum (GeV/c): 1.991 angle: 15.8°	BigBite current (A): 390 angle: 54°	Right Arm momentum (GeV/c): 0.564 angle: 105°

Run number	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4924	5:46	6:04	^6Li 6mm	7	17	at the end of the run BIGBITE chamber tripped	✓
4925	5:25	6:47	"	6.5	17	beam profile slightly shifted	✓
4926	6:48	7:07	"	6.0	17	"	✓
4927	7:07	7:32	"	5.5	17		✓
4928	7:34	8:00	"	5.0	17		✓
20888	7:36	8:38	"	5.0	100 73k	RIGHT ARM	
4929	8:02	8:40	"	5.0	1m	RASTER OFF	
Change to ^{12}C target, set Left-HRS 2323							
4930	8:52	9:00	C	7 μ A	106k	raSTER off 7 μ A dead time 22%	✓
20889	8:52	9:00	C	7 μ A		raSTER off	
4931	9:00	9:05	C	7 μ A	100k	raSTER ON 7 μ A	
20890	9:00	9:05	C	7 μ A	6k	1x1	

Comments:

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Date: 5/7/2008	Kinematic: California kin-0	Author: X. Jiang
Left Arm momentum (GeV/c): 2.323 angle:	BigBite current (A): 390A. angle: 52°	Right Arm momentum (GeV/c) 0.564 angle 105°

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4932	9:06	9:16	G	5 μ A	105k	raster on. 20% DT	✓
20891	9:06	9:16	G	5 μ A	9k	raster on	
4933	9:17	9:25	C	5 μ A	102	raster off	✓
20892	9:17	9:25	C	5 μ A	7k	raster off.	
4934	9:26	9:36	C	3 μ A	103k	raster off 19% DT	✓
20893	9:26	9:36	C	3 μ A	9k	raster off.	
Left HRS moved to 21.39°. $P_L = 2.323$ GeV/c.							
4935	9:46	10:00	C	5 μ A	60k	raster off 0% DT	✓
20894	9:46	10:00	C	5 μ A	16k	raster off.	
4936	10:05	10:18	C	5 μ A	50k	raster on	✓
20895	10:05	10:18	C	5 μ A	13.4k	raster on	

Comments:

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E04-007 Run sheet

Date: 5/7/2008	Kinematic: kin P calibration	Author: X. Jiang
Left Arm momentum (GeV/c): 1.968	BigBite current (A): 390 A	Right Arm momentum (GeV/c)
angle:	angle: 54°	angle

target: LoopL 6cm LH₂

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4937	10:30	10:34	LH ₂ 6cm	5 μ A	300k	Raster on	
20896	10:30	10:34	LH ₂ 6cm	5 μ A	5k	Raster on	
4938	10:37	10:41	LH ₂ 6cm	1 μ A	201k	Raster ON	
20897	10:37	10:41	LH ₂ 6cm	1 μ A	4k	Raster off	
4939	10:43	10:48	LH ₂ 6cm	1 μ A	200k	Raster on	
20898	10:43	10:48	LH ₂ 6cm	1 μ A	4k	Raster off	
4940	10:50	10:57	LH ₂	1 μ A	225k	BB I=700A HV=1500	
20899	10:50	10:57	LH ₂	1 μ A	4.5k		
4941	10:58	11:03	LH ₂	1 μ A	230k	Chamber HV=1550	
20900	10:50	11:03	LH ₂	1 μ A	4.5k		
4942	11:05	11:11	LH ₂	1 μ A	230k	Chamber HV=1600	
20901	11:05	11:11	LH ₂	1 μ A	4k		

Comments:

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E04-007 Run sheet

Date :	Kinematic :	Author: X. Jiang
Left Arm momentum (GeV/c) : 1.968 angle : 21.99	BigBite current (A) : 700 A angle : 54.0	Right Arm momentum (GeV/c) angle

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4943	11:12	11:18	LH ₂ 6cm	1 μ A	220 k	BB HV=1650	
20902	11:12	11:18	LH ₂ 6cm	1 μ A			
4944	11:19	11:25	LH ₂ 6cm	1 μ A	201 k	BB HV=1700	
20903	11:19	11:25	LH ₂ 6cm	1 μ A			
4945	11:25	11:30	LH ₂ 6cm	1 μ A	201 k	BB HV=1700 BB I=390	
20904	11:25	11:30	LH ₂ 6cm	1 μ A			
4946	11:30	11:38	LH ₂	1 μ A	280 k	BB HV=1500	✓
20905	11:30	11:38	LH ₂	1 μ A			
4947	11:38	11:46	LH ₂	5 μ A		BB HV=1500 I=390	
20906	11:38	11:46	LH ₂	5 μ A			

Comments:

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Date: 5/7/2008	Kinematic: Kin p Calibration	Author: X. Jimmy
Left Arm momentum (GeV/c): 1.923 angle: 23.598°	BigBite current (A): 390 A angle: 57°	Right Arm momentum (GeV/c) 0.564 angle 105°

Calibration L-HRS @ 23.598°. $P_L = 1.923$.

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
4948	12:03	12:10	LH ₂	5 μ A	620K	raster off	✓
20907	12:03	12:10	LH ₂	5 μ A	7K	raster off	
4949	12:11	12:16	LH ₂	5 μ A	500K	raster on	✓
20908	12:11	12:16	LH ₂	5 μ A	6K		
4950	12:26	12:36	Carbon	5 μ A	141K	raster on	✓
20909	12:26	12:36	Carbon	5 μ A	10K	raster on	
4951	12:36	12:48	Carbon	5 μ A	50K	raster off	✓
20910	12:36	12:48	Carbon	5 μ A	50K	raster off	
4952	13:16	13:26	Carbon	5 μ A	50K	raster off	
20911	13:16	13:26	Carbon	5 μ A	10K	raster off	

Comments:

Left HRS @ 18.2°. $P = 2.323$ GeV.

Date : 5/7/2008	Kinematic : $Kin-Q$	Author: X. Jiang
Left Arm momentum (GeV/c) : 2.067 angle : 18.7	BigBite current (A) : 390A angle : 54°	Right Arm momentum (GeV/c) angle

Left-HRS $P = 2.067$. $\theta_e = 18.7^\circ$.

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μA)			
4953	13:39	13:40	LH ₂	5 μA	362k*	5 μA 71% DT	✓
20913			LH ₂	5 μA			
4954	13:42		LH ₂ ^{beam}	1 μA	200K	1 μA 55% DT	
20914			LH ₂ ^{beam}	1 μA			
4955	13:52	14:13	LH ₂ ^{beam}	5 μA	332K	9% DT.	✓
20914	13:52	14:13			18K.		
4956	14:14	14:51	LH ₂ ^{beam}	7 μA	1. m.	9% DT	✓
20915	14:14		LH ₂ ^{beam}	7 μA			
4957	14:51		LH ₂ ^{beam}	7 μA	1. m.	9% DT.	✓
20916	14:51	16:56	LH ₂ ^{beam}	7 μA	150K		
4958					1 m.		✓

Comments:


BB. E-plane trigger threshold changes.

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Date: 5/7/2008 SWIN6	Kinematic: Q	Author: D. McNulty
Left Arm momentum (GeV/c): 1.938 angle: 18.5	BigBite current (A): 390 angle: -54°	Right Arm momentum (GeV/c): 0.564 angle: 105°

Run number	start time	stop time	target	beam rastered	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
4959		16:12	LH ₂	7	50k *	Bryan asked to ^{run} and yearly → 	
4960	16:13	16:40	LH ₂	7	1M		✓
4961	16:40	17:05	LH ₂	7	1M		✓
R 20916	16:57	20:08	LH ₂	7	250k		
4962	17:05	17:28	LH ₂	7	1M		✓
4963	17:28	17:54	LH ₂	7	1M		✓
4964	17:55	18:18	LH ₂	7	1M		✓
4965	18:18	18:39	LH ₂	7	1M		✓
4966	18:40	19:00	LH ₂	7	1M		✓
4967	19:00	19:23	LH ₂	7	1M		✓
4968	19:23	19:45	LH ₂	7	1M		✓
4969	19:45	20:07	LH ₂	7	1M		✓

Comments:



change T₁ and T₅ rate. (I guess Bryan decreased threshold?)

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E04-007 Run sheet

Date : 5/7/2008	Kinematic : Q	Author: D. McNulty
Left Arm momentum (GeV/c) : 1.938 angle : 18.5	BigBite current (A) : 390 angle : -54°	Right Arm momentum (GeV/c) 0.564 angle -105°

Run number	start time	stop time	target	beam rastered (μA)	# events	comments	replay?
	Left/Right	(hh:mm)	(hh:mm)				
4970	20:07	20:29	LH ₂	7	1M		✓
R 20918	20:08	20:55	LH ₂	7	60k	Ended so can do dummy runs	✓
4971	20:29	20:51	LH ₂	7	1M		✓
4972	20:57	21:33	Al. Dummy	7	1M	6cm. Al Dummy run	✓
R 20919	20:59	22:10	Al. Dummy	7	128K	"	
4973	21:34	22:09	Al. Dummy	7	1M	"	✓
4974	22:16	22:38	LH ₂	7	1M	Back to Production	✓
R 20920	22:16	0-15	LH ₂	7	157K		
4975	22:38	23:01	LH ₂	7	1M		✓
4976	23:01	23:23	LH ₂	7	1M		✓
4977	23:23	23:44	LH ₂	7	1M		✓
4978	23:45	0-06	LH ₂	7	1M		✓

Comments:

E04-007 Run sheet

Date: 5/8/2008	Kinematic: Q	Author: Khem
Left Arm momentum (GeV/c): 1.938 angle: 18.2°	BigBite current (A): 390 angle: -54°	Right Arm momentum (GeV/c) 0.564 angle -105


Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
4979	0.06	0.29	H ₂ loop 1	7	1M		✓
4980	0.29	0.51	"	7	1M		✓
4981	0.51	1.13	"	7	1M		✓
4982	1.13	1.35	"	7	1M		✓
4983	1.35	1.59	"	7	1M		✓
4984	1.59	2.22	"	7	1M		✓
R 20921	0.15	2.23	"	7	167K		✓
4985	2.23	2.44	"	7	1M		✓
4986	2.45	3.08	"	7	1M		✓
4987	3.13	3.35	"	7	1M		✓
4988	3.35	3.57	"	7	"		✓
R 20922	2.23	4.24	"	7	154k		✓

Comments:

last revision 05-April-2008

This file can be found at: <http://hallaweb.jlab.org/experiment/E04-007/Documents/Run-Sheet.ps>The LaTeX file can be at: <http://hallaweb.jlab.org/experiment/E04-007/Documents/LaTeX/Run-Sheet.tex>

E04-007 Run sheet

Date : 5/8	Kinematic : 	Author: Khem
Left Arm momentum (GeV/c) : 1.938 angle : 18.2	BigBite current (A) : 390 angle : -54°	Right Arm momentum (GeV/c) 0.564 angle -105

Run number	start time (hh:mm)	stop time (hh:mm)	target	beam (μA)	# events	comments	replay?
4989	3.57	4.28	LH ₂	7	1M *		✓
4990	4.28	4.56	LH ₂	7	1M		✓
4991	4.56	5.33	"	"	1M		✓
4992	5.34	5.55	"	"	1M		✓
4993	5.56	6.24	"	"	1M		
R 20924	6.04	6.25	"	"	24K		
4994	6.26	7.03	"	5	701K	faster ofd	✓
R 20925	6.26	7.04	"	5	41K	"	✓

Comments:

E04-007 Run sheet

Date :	Kinematic :	Author:
Left Arm momentum (GeV/c) : angle :	BigBite current (A) : angle :	Right Arm momentum (GeV/c) angle

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μA)			

Comments:

last revision 05-April-2008

This file can be found at: <http://hallaweb.jlab.org/experiment/E04-007/Documents/Run-Sheet.ps>

The LaTeX file can be at: <http://hallaweb.jlab.org/experiment/E04-007/Documents/LaTeX/Run-Sheet.tex>

E04-007 Run sheet

Date :	Kinematic :	Author:
Left Arm momentum (GeV/c) : angle :	BigBite current (A) : angle :	Right Arm momentum (GeV/c) angle

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μA)			

Comments: