

E04-007 Run sheet

Date : 4/25	Kinematic : k 1	Author:
Left Arm momentum (GeV/c) : 0.997 angle : 14.5	BigBite current (A) : 390 angle : 43.5	Right Arm momentum (GeV/c) : 497 0.4596 angle : 105°

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
3861	15:36	15:44	LH2	4.0	1M	Good run	
3862	15:45	15:53	LH2	4.0	1M	" "	
3863	15:54	16:02	LH2	4.0	1M	" "	
3864	16:03	16:10	LH2	4.0	1M	" "	
3865	16:11	16:20	LH2	4.0	1M	" "	
3866	16:21	16:29	LH2	4.0	1M	" "	
3867	16:29	16:38	"	"	1M	" "	
20762	14:34	16:38	"	"	197734	" "	
3868	16:40	16:48	"	"	1M	" "	
3869	16:48	16:58	"	"	1M	" "	
3870	16:50	17:07	"	"	1M	" "	
3871	17:08	17:15	"	"	1M	" "	

Comments:

E04-007 Run sheet

Date :	Kinematic : <i>R</i>	Author:
Left Arm momentum (GeV/c) : angle :	BigBite current (A) : angle :	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?
3872	17:16	17:25	LH2	4	1M	good run	
3873	17:25	17:33	"	"	1M	" "	
3874	17:34	17:52	"	"	1M	" "	
3875	17:53	18:01	"	"	1M	" "	
3876	18:01	18:09	"	"	1M	" "	
3877	18:10	18:18	"	"	1M	" "	
3878	18:18	18:27	"	"	1M	" "	
3879	18:28	18:36	"	"	1M	" "	
3880	18:36	18:44	"	"	1M	" "	
3881	18:45	18:51	"	"	1M	" "	
3882	18:53	19:02	"	"	1M	" "	
3883	19:03	19:11	"	"	1M	" "	

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 : <i>ℓ</i>	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)		(μ A)			
20763	16: 38 40	19:03	L1/2	4	2.2M	good Run	✓
3884	19:12	19:19	"	"	1M	" "	✓
3885	19:20	19:28	"	"	1M	" "	✓
3886	19:28	19:36	"	"	1M	" "	
3887	19:37	19:49	"	"	1M	" "	
3888	19:40	18 19:57	"	"	1M	" "	
3889	19:58	20:06	"	"	1M	" "	
3890	19 20:06	20:16	"	"	1M	" "	✓
3891	20:16	20:24	"	"	1M	" "	✓
3892	20:24	20:32	"	"	1M	" "	✓
3893	20:33	20:40	"	"	1M	" "	✓
3894	20:41	20:49	"	"	1M	" "	✓

Comments:

E04-007 Run sheet

Date :	Kinematic : k	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)		(μ A)			
3895	20:50	20:57	LH2	4	1M	good Run	✓
3896	20:58	21:07	"	"	1M	" "	✓
3897	21:08	21:15	"	"	1M	" "	✓
3898	21:18	21:16	"	"	1M	" "	✓
3899	21:27	21:34	"	"	1M	" "	✓
3900	21:35	21:43	"	"	1M	" "	✓
20764	19:04	21:35	"	"	2.4M	" "	
3901	21:44	21:52	"	"	1M	" "	✓
3902	21:52	22:00	"	"	1M	" "	✓
3903	21 ²² :01	22:09	"	"	1M	" "	✓
3904	22:10	22:18	"	"	1M	" "	✓
3905	22:19	22:26	"	"	1M	" "	✓

Comments:

E04-007 Run sheet

Date :	Kinematic : <i>R</i>	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)		(μ A)			
3906	22:27	22:35	LH2	4 μ A	1M	good Run	/
3907	22:35	22:44	"	"	1M	" "	/
3908	22:44	22:52	"	"	1M	" "	/
3909	22:53	23:01	"	"	1M	" "	/
3910	23:02	23:09	"	"	1M	" "	/
3911	23:10	23:18	"	"	1M	" "	/
3912	23:19	23:27	"	"	1M	" "	/
3913	23:28	23:37	"	"	1M	" "	/
<i>R</i> 20765	21:36	23:28	"	"	1.8M	" "	
3914	23:37	23:45	"	"	1M	" "	/
3915	23:46	23:54	"	"	1M	" "	/
3916	23:55	0.00	"	"	596K 1M	Hv trip " "	/

Comments:

E04-007 Run sheet

Date : 4/26	Kinematic : R	Author: Khem
Left Arm momentum (GeV/c) : 0.997 angle : 14.5°	BigBite current (A) : 4.5 3.9 angle : 43.5°	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?
3917	0.07	0.16	loop / Hz	3.9	1M		
3918	0.17	0.24	"	"	911K	HV trip	/
3919	0.25	Junk	"	"		lost connection to HV crate no setting Hv when come back	
3920	0.35	0.44	"	"	1M		
3921	0.44	0.52	"	"	1M		
3922	0.53	1.01	"	"	1M		/
3923	1.01	1.11	"	"	1M		
3924	1.11	1.19	"	"	1M		
3925	1.19	1.27	"	"	1M		/
3926	1.27	1.35	"	"	1M		
3927	1.35	1.44	"	"	1M		
3928	1.44	1.52	"	"	1M		

Comments:

E04-007 Run sheet

Date :	Kinematic : <i>R</i>	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)		(μ A)			
3929	1.52	2.00	<i>M₂ loop</i>	3.9	1M		✓
3930	2.01	2.09	"	"	1M		
3931	2.09	2.17	"	"	1M		
3932	2.18	2.26	"	"	1M		
3933	2.26	2.30	"	"	153K	<i>HV trip</i>	
3934	2.33	2.42	"	"	1M		✓
3935	2.42	2.50	"	"	1M		
3936	2.50	2.58	"	"	1M		
<i>R</i> 20766	0.00	2.42	"	"	257K		
3937	2.58	3.06	"	"	1M		
3938	3.07	3.14	"	"	1M		
3939	3.15	3.23	"	"	1M		

Comments:

E04-007 Run sheet

Date :	Kinematic : <i>K</i>	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)		(μ A)			
3940	3.24	3.32	<i>loop 1</i>	3.9			.
3941	3.33	3.40	"	"			✓
3942	3.41	3.49	"	"			
3943	3.49	3.58	"	"			
3944	3.58	4.06	"	"			
3945	4.06	4.15	"	"			
3946	4.16	4.24	"	"			
3947	4.25	4.33	"	"			
3948	4.33	4.41	"	"			
3949	4.41	4.50	"	"			
3950	4.50	4.58	"	"			
3951	4.59	5.06	"	"			

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)		(μ A)			
3952	5.07	5.15	H_2 loop1	3.9	1M		✓
R 20767	2.43	5.17	"	3.9	246k		
3953	5.16	5.25	"	"	1M		
3954	5.26	5.34	"	"	1M		✓ .8
3955	5.34	5.44	"	3.5	1M		✓ .3
3956	5.44	5.53	"	"	1M		✓ .4
3957	5.53	6.02	"	"	1M		✓ .5
3958	6.03	6.17	"	"	1M		✓
3959	6.17	6.27	"	"	1M		✓ .7
3960	6.28	6.37	"	"	1M		✓ .6
3961	6.38	6.47	"	"	1M		✓
3962	6.47	6.57	"	"	1M		✓ .8

Comments:

E04-007 Run sheet

Date : 04/26	Kinematic : R	Author: Khan
Left Arm momentum (GeV/c) : 0.997 angle : 14.5°	BigBite current (A) : 390 angle : 43.5°	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?
R 20768	5.18	7.04	M ₂ loop 1	3.5	157K		
3963	6.57	7.06	"	"	1M		✓
3964	7.06	7.19	"	"	1M		✓
3965	7.20	7.29	"	"	1M		✓
3966	7.29	7.39	"	"	1M		✓
3967	7.39	7.48	"	"	1M		✓
3968	7.49	7.57	"	"	1M		✓
3969	7.58	8.07	"	"	1M		✓
3970	8.09	8.19	"	"	1M		✓
3971	8.20	8.29	"	"	1M		✓
3972	8.29	8.39	"	"	1M		✓
3973	8.39	8.49	"	"	1M		✓

Comments:

E04-007 Run sheet

Date : 04/26	Kinematic : K II	Author: K. Aniol
Left Arm momentum (GeV/c) : 0.997 angle : 14.5°	BigBite current (A) : 390 set / 388.1 angle : 43.5°	Right Arm momentum (GeV/c) 0.4596 angle 10.5

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
3974	08:49	08:58	H ₂ loop1	3.4	1M		
3975	08:59	09:08	"	"	"		✓
3976	09:08	09:19	"	"	"		✓
3977	09:19	09:28	"	"	"		✓
3978	09:28	09:39	"	"	"		✓
3979	09:39	09:48	"	"	"		✓
3980	09:49	09:50	"	"	19446	Big Bite wire chamber	✓
3981	09:58	10:07	"	"	1M		✓
3982	10:08	10:17	"	"	1M		✓
3983	10:18	10:28	"	"	1M		✓
20769	07:04	10:26	"	"	302599	RHRS	✓
20770	10:27	14:00	"	"	321290	RHRS	

Comments:

E04-007 Run sheet

Date : <i>April 26, 2008</i>	Kinematic : <i>K II</i>	Author: <i>K. Aniol</i>
Left Arm momentum (GeV/c) : <i>0.997</i> angle : <i>14.5°</i>	BigBite current (A) : <i>390</i> angle : <i>43.5</i>	Right Arm momentum (GeV/c) <i>0.4596</i> angle <i>10.5</i>

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
<i>3984</i>	<i>10:28</i>	<i>10:38</i>	<i>LH2 loop</i>	<i>3.5</i>			<input checked="" type="checkbox"/>
<i>3985</i>	<i>10:38</i>	<i>10:48</i>	<i>"</i>	<i>3.5</i>			<input checked="" type="checkbox"/>
<i>3986</i>	<i>10:49</i>	<i>10:58</i>	<i>"</i>	<i>"</i>			<input checked="" type="checkbox"/>
<i>3987</i>	<i>10:59</i>	<i>11:09</i>	<i>"</i>	<i>"</i>			<input checked="" type="checkbox"/>
<i>3988</i>	<i>11:09</i>	<i>11:18</i>	<i>"</i>	<i>"</i>			<input checked="" type="checkbox"/>
<i>3989</i>	<i>11:19</i>	<i>11:28</i>	<i>"</i>	<i>"</i>			<input checked="" type="checkbox"/>
<i>3990</i>	<i>11:28</i>	<i>11:38</i>	<i>"</i>	<i>"</i>			<input checked="" type="checkbox"/>
<i>3991</i>	<i>11:38</i>	<i>11:49</i>	<i>"</i>	<i>"</i>			<input checked="" type="checkbox"/>
<i>3992</i>	<i>11:49</i>	<i>11:58</i>	<i>"</i>	<i>"</i>			<input checked="" type="checkbox"/>
<i>3993</i>	<i>11:59</i>	<i>12:09</i>	<i>"</i>	<i>"</i>			<input checked="" type="checkbox"/>
<i>3994</i>	<i>12:09</i>	<i>12:18</i>	<i>"</i>	<i>"</i>			<input checked="" type="checkbox"/>
<i>3995</i>	<i>12:19</i>	<i>12:28</i>	<i>"</i>	<i>"</i>			<input checked="" type="checkbox"/>

Comments:

E04-007 Run sheet

Date : April 26, 2008	Kinematic : KIII	Author: K. Aniol
Left Arm momentum (GeV/c) : 0.997 angle : 14.5	BigBite current (A) : 390/388.1 angle : 43.5	Right Arm momentum (GeV/c) 0.4596 angle 10.5

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
3996	12:29	12:38	LH2 Loop1	35	1M		✓ .4
3997	12:39	12:48	"	"	1M		✓ .5
3998	12:49	12:58	"	"	"		
3999	12:59	13:08	"	"	"		
4000	13:09	13:17	"	"	"		
4001	13:18	13:27	"	"	"		
4002	13:28	13:37	"	"	"		✓ .3
4003	13:38	13:49	"	"	"		
4004	13:49	13:59	"	"	"		
4005	13:59	14:09	"	"	"		
20771	14:00				310K	RHRS	
4006	14:10	14:19	"	"	"		✓

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : April 26, 2008	Kinematic : K III	Author: K. Aniol
Left Arm momentum (GeV/c) : 0.997 angle : 1405	BigBite current (A) : 390 angle : 4305	Right Arm momentum (GeV/c) 0.4596 angle 105

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μA)			
4007	14:20	14:29	LH ₂ loop	3.5	1M		
4008	14:29	14:40	"	"	"		
4009	14:41	14:49	"	"	"		✓
4010	14:50	14:59	"	"	"		
4011	15:00	15:10	"	"	"		
4012	15:11	15:20					✓
4013	15:21	15:30					
4014	15:30	15:40					
4015	15:41	15:50					✓
4016	15:50						

Comments:

E04-007 Run sheet

Date : 04/26/2008	Kinematic : K III	Author: A. Rakhman
Left Arm momentum (GeV/c) : 0.997 angle : 14.5°	BigBite current (A) : 390 set/388.1 angle : 43.5	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?
4016	15:50	15:59	LH2	3.5	1M	production	✓
4017	15:01	16:11	LH2	3.5	1004361	Production	✓
4018	16:12	16:24	LH2	3.5	1005400	Production	✓
4019	16:25	16:27	LH2	3.5		Junk	
4020	16:49	17:20	LH2	3.5	1006000	ROC crash	
20771	14:00	17:20	RH2	3.5		Production	
4021	17:21	17:30	LH2	3.5	1005480	Production	
4022	17:31	17:41	LH2	3.5	1004677	Production	
4023	17:42	17:51	LH2	3.5	1005175	Production	
4024	17:52	18:01	LH2	3.5	1003881	Production	
4025	18:02	18:10	LH2	3.5	1006927	Production	
4026	18:11	18:20	LH2	3.5	4532	Production	

Comments:

E04-007 Run sheet

Date : 04/26/2008	Kinematic : K III	Author: A. Rakhman
Left Arm momentum (GeV/c) : 0.997 angle : 14.5°	BigBite current (A) : 390 set/388.1 angle : 43.5	Right Arm momentum (GeV/c) : 0.4596 angle : 10.5

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4027	18:20	18:31	LH2	3.5	1006016	Production	
4028	18:32	18:40	LH2	3.5	1002549	Production	
4029	18:41	18:50	LH2	3.5	1004080	Production	
4030	18:50	18:59	LH2	3.5	1004786	Production	
4031	19:00	19:06	LH2	3.5	507862	HV crash	
4032	20:07	20:16	LH2	3.5	1M	Production	
4033	20:16	20:26	LH2	3.5	1005627	Production	
4034	20:26	20:37	LH2	3.5	1007634	Production	
4035	20:37	20:47	LH2	3.5	1005245	Production	
4036	20:47	20:57	LH2	3.5	1M	Production	
4037	20:57	21:07	LH2	3.5	1004294	Production	
4038	21:21	21:39	LH2 Al	3.5	1002574	Production Al dummy	

Comments:

(Al target)

E04-007 Run sheet

Date : 04/26/2008	Kinematic : K III	Author: A. Rakhman
Left Arm momentum (GeV/c) : 0.997 angle : 14.5°	BigBite current (A) : 390 set/388.1 angle : 43.5	Right Arm momentum (GeV/c) 0.4596 angle 105

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
4039	21:40	21:59	AL LH2	3.5	1002758	AL dummy Production	
4040	21:59	22:17	AL LH2	3.5	1002433	Production	/
4041	22:18	22:27	AL	3.5	492780	AL dummy Production	
4042	22:43	22:53	LH2	3.5	1004356	Production	
4043	22:53	23:07	LH2	3.5	1005001	Production	
4044	23:08	23:17	LH2	3.5	1006440	Production	
4045	23:18	23:27	"	"	1005701	"	
4046	23:28	23:27	"	"	1006592	"	
4047	23:37	23:47	"	"	1003861	"	/
4048	23:47	23:57	"	"	1004458	"	
4049	23:58	0:09	"	"	1M	"	
4050	0:10	0:20	"	"	1M		

Comments:

We forgot to start R-RHS for AL target.

E04-007 Run sheet

Date : 4/27	Kinematic : R	Author: Rhen
Left Arm momentum (GeV/c) : 0.997 angle : 14.5°	BigBite current (A) : 390 angle : 43.5°	Right Arm momentum (GeV/c) 0.4596 angle 105°

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
4051	0.20	0.30	loop H ₂	3.5	1M		/
4052	0.30	0.40	"	"	1M		
4053	0.40	0.50	"	"	1M		/
R 20773	22.44	0.41	"	"	172K		
4054	0.50	1.04	"	"	1M		
4055	1.04	1.06	"	"	125K	MV trip	
4056	1.11	1.20	"	"	1M		✓
4057	1.20	1.29	"	"	1M		
4058	1.30	1.40	"	"	1M		
4059	1.40	1.49	"	"	1M		
4060	1.49	2.01	"	"	1M		✓
4061	2.01	2.09	"	"	808K	MV trip	✓

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : 4/27	Kinematic : K	Author:
Left Arm momentum (GeV/c) : angle :	BigBite current (A) : angle :	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?
4062	2.19	2.25	loop μ_2	3.5	1M		
4063	2.25	2.35	"	"	1M		/
4064	2.35	2.45	"	"	1M		
4065	2.45	2.54	"	"	1M		/
R 20774	0.41	2.45	"	"	183K		
4066	2.55	3.04	"	"	1M		
4067	3.05	3.14	"	"	1M		
4068	3.14	3.24	"	"	1M		/
4069	3.24	3.33	"	"	1M		
4070	3.33	3.42	"	"	1M		/
4071	3.43	3.52	"	"	1M		
4072	3.53	4.02	"	"	1M		

Comments:

E04-007 Run sheet

Date :	Kinematic : K	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)		(μ A)			
4073	4.02	4.11	^{loop 1} H ₂	3.5	1M		
4074	4.12	4.21	"	"	1M		
4075	4.21	4.30	"	"	1M	/	
4076	4.31	4.41	"	"	1M		
R 20775	2.46	4.42	"	"	175K		
4077	4.41	4.51	"	"	1M		
4078	4.51	5.01	"	"	1M		
4079	5.01	5.11	"	"	1M	✓	
4080	5.12	5.21	"	"	1M	✓	
4081	5.22	5.31	"	"	1M		
4082	5.31	5.40	"	"	1M		
4083	5.40	5.49	"	"	1M		

Comments:

E04-007 Run sheet

Date : 4/27	Kinematic : K	Author: Khem
Left Arm momentum (GeV/c) : 0.997 angle : 14.5°	BigBite current (A) : 390 angle : 43.5°	Right Arm momentum (GeV/c) 0.4526 angle 1.05°

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
4084	05:50	5.59	H ₂ loop1	3.5	1M		
4085	5.59	6.14	"	3.5	1M		✓
4086	6.14	6.25	"	"	1M		
4087	6.25	6.35	"	"	1M		
4088	6.35	6.45	"	"	1M		✓
R 20776	4.42	6.53	"	" 3.5	192K		
4089	6.46	6.55	"	"	1M		
4090	6.56	7.05	"	"	1M		✓
4091	7.05	7.16	"	"	1M		
4092	7.16	7.25	"	"	1M		
4093	7.25	7.27	"	"	187K	HV trip just sound not actual trip	
4094	7.28	7.37	"	"	1M		✓

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : 4/27	Kinematic : K	Author: Khem
Left Arm momentum (GeV/c) : 0.997 angle : 14.5°	BigBite current (A) : 390 angle : 43.5°	Right Arm momentum (GeV/c) 0.4596 angle 105°

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
4095	7:38	7:47	M ₂ loop 1	3.5	1M		✓
4096	7:47	7:56	"	"	1M		
4097	7:56	8:15	"	3.5	1M		
4098	8:16	8:38	"	"	1M		
R 20777	08:53	08:53	"	"	166K		
4099	08:41	08:58	"	"	1M		
4100	08:54	09:01	"	"	724K		
R 20778	08:54	09:01	"	"	10K		
4100-4108						TEST RUN	
R 20779						TEST RUN	
4109	JUNK		TEST RUN				
4110	10:37	10:47	T _a	3.0	500k	Beam Energy Check for Kin L	✓
R 20781	10:38	10:48	"	"	8.5K	"	

Comments:

RUN
Kinematic L

E04-007 Run sheet

Date : 04-27-2008	Kinematic : L	Author: Tharanga
Left Arm momentum (GeV/c) : 1.07 angle : 12.5	BigBite current (A) : 390 angle : 43.5	Right Arm momentum (GeV/c) 0.4596 angle 105

	Run number	start time	stop time	target	beam	# events	comments	replay?
	Left/Right	(hh:mm)	(hh:mm)		(μ A)			
Junk	4111	Adjusting Prescales						
Junk	4112	JUNK					forgot to save prescales	
Good	4113	10:56	10:59	C	3.0	180k	Carbon XS check. Kin L D.T=26%	Need higher prescales on T3
Good	R20782	10:56	11:11	C	3.0	15k	"	
Good	4114	11:01	11:11	C	"	520k	" Dead Time 20%	PS3 to 55 ✓
Junk	4115	Adjusting Prescales						
Junk	4116	11:24	11:30	LH ₂	3.0	—	Dead Time huge Wrong prescales	
Good	R20783	11:24	11:41	LH ₂	3.0	27k	Subtract huge Wrong Prescales	
Junk	4117	Adjst Prescales		JUNK				
Good	4118	11:34	11:44	LH ₂	3.0	1M	Dead Time = 18%	
	4119	Adjust Prescales						
	4120	11:48	11:55	LH ₂	3.0	913k	Dead Time at 27% at 700k events, we	
Comments:	R20784	11:48	11:55	LH ₂	3.0	9.6k	lowered beam current to 2.5 μ A then D.T. = 18%	

Date : 04/27/2008	Kinematic : L	Author: Tharanga
Left Arm momentum (GeV/c) : 1.007 angle : 12.5	BigBite current (A) : 390 390 angle : 43.5	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?
4121	11:56	12:06	LH ₂	2.5	1M	D.T. 17%	✓
R 20785	11:57	13:53	LH ₂	2.5	155K		
4122	12:06	12:15	LH ₂	2.5	1M		
4123	12:16	12:25	LH ₂	2.5	1M		✓
4124	12:26	12:35	LH ₂	2.5	1M		
4125	12:35	12:44	LH ₂	2.5	1M		
4126	12:45	12:53	LH ₂	2.5	1M	D.T. 22%	✓
4127	12:54	13:03	LH ₂	2.5	1M		
4128	13:03	13:12	LH ₂	2.5	1M		
4129	13:12	13:21	LH ₂	2.5	1M		✓
4130	13:21	13:31	LH ₂	2.5	1M		
4131	13:31	13:41	LH ₂	2.5	1M		

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : 01/27/2008	Kinematic : L	Author: T. P. S. J.
Left Arm momentum (GeV/c) : 1.07 angle : 12.5	BigBite current (A) : 2.5 2.90 angle : 43.5	Right Arm momentum (GeV/c) 0.4594 angle 10.9

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
4132	13.41	13.50	LH ₂	2.5	1M		✓
4133	13.50	13.55	LH ₂	2.5	1M 74K		
R 2086	14.55		LH ₂	2.5			.
4134	14.55	15.05	LH ₂	2.5	1M		✓
4135	14.55 15.05	15.14	LH ₂	2.5	1M		
4136	15.14	15.23	LH ₂	2.5	1M		
4137	15.23	15.32	LH ₂	2.5	1M		
4138	15.32	15.41	LH ₂	2.5	1M		
4139	15.44	15.53	LH ₂	2.5	1M		
4140	15.54	16.02	LH ₂	2.5	1M		
4141	16.02	16:11	LH ₂	2.5	1007495	Production	✓
4142	16:11	16:20	'	'	1003852	Production	✓

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : 04/27/2008	Kinematic : L	Author: A. Rakhman
Left Arm momentum (GeV/c) : 1.007 angle : 12.5	BigBite current (A) : 390 angle : 43.5	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?
4143	16:21	16:29 16:40	LH2	2.5	1004815	Production	✓
4144	16:30	16:39	"	"	1006558	Production	✓
4145	16:40	16:49	"	"	1000804	"	✓
4145 16:50	16:50	17:00	"	"	1006149	"	✓
4147	17:01	17:09	"	"	1008305	"	✓
4148	17:09	17:18	"	"	1007257	"	✓
4149	17:19	17:27	"	"	1003117	"	✓
20786	14:55	17:22	RH2	2.5	196673	"	✓
4150	17:28	17:37	LH2	"	1007094	"	✓
4151	17:38	17:47	"	"	1007132	"	✓
4152	17:48	17:56	"	"	1003508	"	✓
4153	17:57	18:04	"	"	1005263	"	✓

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : 04/27/2008	Kinematic : L	Author: A. Rakhman
Left Arm momentum (GeV/c) : 1.007 angle : 12.5	BigBite current (A) : 390 angle : 43.5	Right Arm momentum (GeV/c) : 0.4596 angle : 105

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μA)	# events	comments	replay?
4154	18:05	18:14	LH2	2.5	1002166	Production	✓
4155	18:15	18:24	"	"	1007345	"	✓
4156	18:25	18:34	"	"	685528	HV crash	✓
4157	18:38	18:47	"	"	1006638	Production	✓
4158	18:48	18:56	"	"	1005022	"	✓
4159	18:56	19:05	"	"	1005424	"	✓
4160	19:06	19:15	"	"	1007924	"	✓
4161	19:16	19:24	"	"	1004841	"	✓
4162	19:25	19:33	"	"	1006966	"	✓
4163	19:34	19:42	"	"	1006400	"	✓
4164	19:43	19:51	"	"	1006553	"	✓
4165	19:52	20:00	"	"	1007611	"	✓

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : 04/27	Kinematic : L	Author: A. Rakhman
Left Arm momentum (GeV/c) : 1.007 angle : 12.5	BigBite current (A) : 390 angle : 43.5	Right Arm momentum (GeV/c) 0.4596 angle 105

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right'	(hh:mm)	(hh:mm)		(μ A)			
4166	20:00	20:08	LH2	2.5	1004459	Production	✓
4167	20:09	20:18	'	'	1004475	'	✓
4168	20:18	20:27	'	'	1004689	'	✓
4169	20:27	20:35	'	'	1003365	'	✓
4170	20:36	20:44	'	'	1004643	'	✓
20787	17:23	20:36	RH2	2.5	260115	'	
4171	20:45	20:53	LH2	2.5	1005619	'	✓
4172	20:53	20:01	'	'	1008651	'	✓
4173	20:02	21:10	'	'	1002446	'	✓
4174	21:11	21:19	'	'	1006137	'	✓
4175	21:20	21:28	'	'	1002357	'	✓
4176	21:29	21:42	'	'	1004270	'	✓

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : 04/27/08	Kinematic : L	Author: A. Rakhman
Left Arm momentum (GeV/c) : 1.007	BigBite current (A) : 390	Right Arm momentum (GeV/c) 0.4596
angle : 12.5	angle : 43.5	angle 105

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4177	21:42	21:51	LH2	2.5	1005278	Production	✓
4178	21:52	22:02	'	'	1003740	"	✓
4179	22:00	22:09	'	'	1002752	"	✓
4180	22:10	22:18	'	'	1004435	"	✓
4181	22:19	22:28	'	'	1006161	"	✓
4182	22:29	22:37	'	'	1006035	"	✓
4183	22:37	22:46	'	'	1006568	"	✓
4184	22:46	22:55	"	'	1006685	"	✓
4185	22:55	23:04	'	"	1006306	"	✓
4186	23:04	23:13	'	'	1003835	"	✓
20788	20:37	23:10	RH2	2.5	205939	"	✓
4187	23:14	23:23	LH2	2.5	1004358	"	✓

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : 04/27/08	Kinematic : L	Author: A. Ratchman
Left Arm momentum (GeV/c) : 1.007	BigBite current (A) : 390	Right Arm momentum (GeV/c) 0.4596
angle : 12.5	angle : 43.5	angle 105

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
4188	23:23	23:32	LH2	2.5	1004989	Production	✓
4189	23:33	23:41	'	'	1007669	"	✓
4190	23:42	23:51	'	'	1003622	"	✓
4191	23:58	00:08	'	'	1005449	"	✓ .3
4192	00:08	00:18	'	'	1M	"	✓ .4
20789	23:11	01:27	"	"	189K	" RHRIS	✓ .5
4193	00:19	00:27	"	"	1M	"	✓ .6
4194	00:27	00:36	"	"	1M	"	✓ .7
4195	00:36	00:45	"	"	"	"	✓ .85
4196	00:45	00:54	"	"	"	"	✓ .3
4197	01:03 20:51	01:03	"	"	"	"	✓ .4
4198	01:03	01:11	"	"	"	"	✓ .5

Comments: Run 4195 won't replay on adage8 - no debugging symbol
 Run 4196 " " " " " error message.

E04-007 Run sheet

Date : 04/28/2008	Kinematic : R L	Author: K. Aniol
Left Arm momentum (GeV/c) : 1.007 angle : 12.5°	BigBite current (A) : 390 angle : 43.5	Right Arm momentum (GeV/c) 0.4596 angle 105

RHPs

Run number	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4199	01:12	01:20	LH ₂				
4200	01:20	01:28	"	2.5 μ A	1M		✓
20790	01:27	03:35	LH₂ "	"	1M	RHPs	✓
4201	01:28	01:38	"	✓	1M		
4202	01:38	01:47	"	"	1M		✓
4203	01:47	01:56	"	"	1M		✓
4204	01:56	02:10	"	"	1M		✓
4205	02:10		"	"	1M		✓
4206	02:18		"	"	1M		✓
4207	02:29		"	"	1M		✓
4208	02:38		"	"	1M		✓
4209	02:46		"	"	1M		✓

Comments:

E04-007 Run sheet

Date : April 28, 2008	Kinematic : L	Author: K. Aniol
Left Arm momentum (GeV/c) : 1.007 angle : 1205°	BigBite current (A) : 390 angle : 4305	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?
4210	02:56		LH ₂	205	1M		✓ .1
4211	03:09		"	"	1M		✓ .6
4212	03:18		"	"	1M		✓ .3
4213	03:26		"	"	1M		✓ .4
20791	03:35	05:34	"	"	1M		✓ .4
4214	03:38		"	"	1M		✓ .6
4215	03:46		"	"	1M		✓ .3
4216	03:55		"	"	1M		✓ .4
4217	04:04		"	"	1M		✓ .4
4218	04:13		"	"	1M		✓ .3
4219	04:22		"	"	1M		✓ .3
4220	04:31	04:39	"	"	1M.		✓ .6

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : Apr. 28, 2008	Kinematic : L	Author: K. Aniol
Left Arm momentum (GeV/c) : 1.507 angle : 12.5°	BigBite current (A) : 390 angle : 43.5	Right Arm momentum (GeV/c) : 0.4596 angle : 105°

Run number	start time (hh:mm)	stop time (hh:mm)	target	beam (μA)	# events	comments	replay?
4221	04:40		LH2	2.5	1M		
4222	04:49		"	"	1M		✓
4223	04:58		"	"	1M		✓
4224	05:09		"	"	1M		✓
4225	05:17	05:32	"	"	795K	stopped run MCC mag. trouble	✓
4226	05:39		"	"	1M		✓
20792	05:39	07:40	"	"	158K	RHRS	✓
4227	05:47		"	"	1M		
4228	05:56		"	"	1M		✓
4229	06:06		"	"	1M		✓
4230	06:19		"	"	1M		✓
4231	06:28		"	"	1M		✓

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : Apr 28, 2008	Kinematic : L	Author: K. Aniol
Left Arm momentum (GeV/c) : 1.007	BigBite current (A) : 390	Right Arm momentum (GeV/c) 0.4596
angle : 12.5	angle : 43.5	angle 105

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
4232	06:38		L42	2.5	1M		✓
4233	06:52		"	"	1M		✓
4234	07:00		"	"	1M		✓
4235	07:09		"	"	1M		✓
4236	07:18		"	"	1M		✓
4237	07:27		"	"	1M		✓
4238	07:36		"	"	1M		✓
20793	07:40	16:03	"	"	652821	RHR5	
4239	07:45		"	"	1M		
4240	07:55		"	"	1M		
4241	8:04		"	"	1M		✓
4242	8:12		"	"	1M		

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : 09.11.28 2008	Kinematic : L	Author: XIN QIN
Left Arm momentum (GeV/c) : 1.007 1.007 angle : 12.5	BigBite current (A) : 390 angle : 43.5	Right Arm momentum (GeV/c) 0.6594 angle 10.5

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4243	8:22		LH2	2.5	1M		✓
4244	8:30		"	"	1M		✓
4245	8:38		"	"	1M		✓
4246	8:47		"	"	1M		✓
4247	8:55		"	"	1M		✓
4248	9:05		"	"	1M		✓
4249	9:13		"	"	1M		✓
4250	9:22		"	"	1M		✓
4251	9:31		"	"	1M		✓
4252	9:40		"	"	1M		✓
4253	9:48		"	"	1M		✓
4254	9:57		"	"	1M		✓

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : Apr 28 2008	Kinematic : L	Author: XIN QIAN
Left Arm momentum (GeV/c) : 1.067 angle : 12.5	BigBite current (A) : 350 angle : 43.5	Right Arm momentum (GeV/c) 0.4594 angle 10.5

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
4255	10:06		LH ₂	2.5MA	1M		✓
4256	10:17		LH ₂	2.5MA	1M		✓
4257	10:26		LH ₂	2.5	1M		✓
4258	10:35		LH ₂	2.5	1M		✓
4259	10:45		LH ₂	2.5	1M		✓
4260	10:53		LH ₂	2.5	0.94M		✓
4261	11:24		LH ₂	2.5	1M		✓
4262	11:33		LH ₂	2.5	1M		✓
4263	11:42		LH ₂	2.5	1M		✓
4264	11:50		LH ₂	2.5	1M		✓
4265	12:01		LH ₂	2.5	1M		✓
4266	12:10		LH ₂	2.5	1M		✓

Comments:

last revision 05-April-2008

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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)		(μ A)			
4267	12:21		LH ₂	2.5	1M		✓
4268	12:30		LH ₂	2.5	1M		✓
4269	12:38		LH ₂	2.5	1M		✓
4270	12:50		LH ₂	2.5	1M		✓
4271	12:59		LH ₂	2.5	1M		✓
4272	13:09		LH ₂	2.5	1M		✓
4273	13:18		LH ₂	2.5	1M	1750V	✓
4274	13:28		LH ₂	2.5	1M	1800V	✓
4275	13:37		LH ₂	2.5	1M	1850V	✓
4276	13:46		LH ₂	2.5	1M	1875V	✓
4277	13:56		LH ₂	2.5	1M	1700V	✓
4278	14 :06		LH ₂	2.5	1M	1775V	✓

Comments:

last revision 05-April-2008

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Date :	Kinematic :	Author:
Left Arm momentum (GeV/c) : angle :	BigBite current (A) : angle :	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?
4279	14:15		LH ₂	2.5	252K	1825 V ✓	✓
4280	14:28		LH ₂	2.5	1M	-30° wien angle ✓	✓
4281	14:38		LH ₂	2.5	1M	1900 V ✓	✓
4282	14:48		LH ₂	2.5	514K	1900 V -30 ✓	✓
4283	14:56		LH ₂	2.5	1M	wien angle -50 ✓	✓
4284	15:05		LH ₂	2.5	1M	wien angle -50 ✓	✓
4285	15:14		LH ₂	2.5	435K	wien angle -50 ✓	✓
4286			LH₂	2.5		wien angle	
4286	15:36		LH ₂	2.5	1M	wien angle -40 ✓	✓
4287	15:46		LH ₂	2.5	1M	wien angle -40	
4288	15:54	16:03	LH ₂	2.5	1M	Last run before rollout measurement	

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : 28. apr. 08	Kinematic : L	Author: S. Jirca
Left Arm momentum (GeV/c) : 1.007 angle : 12.5°	BigBite current (A) : 390 angle : 43.5	Right Arm momentum (GeV/c) 0.4598 angle 10.5°

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4289	16:51	17:09	Dummy	2.5 μ A	1002079	Run type says "production", is dummy	no
20794	16:51	17:31	Dummy	2.5 μ A	50369	RHRS	no
4290	17:10	17:31	Dummy	2.5 μ A	1002836	Run type says "production", is dummy	no
4291	17:39	17:52	LH ₂	2.5 μ A	1M		
20795	17:39	20:13	LH ₂	2.5 μ A	183728	RHRS	
4292	17:53	18:01	LH ₂	2.5 μ A	1M		✓
4293	18:02	18:29	LH ₂	2.5 μ A	1M	low beam trips during run	✓
4294	18:51	19:00	LH ₂	2.5	1M		✓
4295	19:00	19:10	LH ₂	2.5	1M		✓
4296	19:12	19:21	LH ₂	2.5	1M		✓
4297	19:21	19:35	LH ₂	2.5	1M		✓
4298	19:35	19:44	LH ₂	2.5	1M		✓

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : 28. apr. 08	Kinematic : L	Author: S. Sirca
Left Arm momentum (GeV/c) : 1.007 angle : 12.5°	BigBite current (A) : 390 angle : 43.5°	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?
4299	19:44	19:53	LH ₂	2.5	1M		✓
4300	19:54	20:03	LH ₂	2.5	1M		✓
4301	20:04	20:12	LH ₂	2.5	1M		✓
4302	20:13	20:24	LH ₂	2.5	1M		✓
20796	20:13	21:58	LH ₂	2.5	125875	RHRS	
4303	20:25	20:34	LH ₂	2.5	1M		✓
4304	20:34	20:43	LH ₂	2.5	1M		✓
4305	20:44	20:54	LH ₂	2.5	1M		✓
4306	20:54	21:03	LH ₂	2.5	1M		✓
4307	21:03	21:13	LH ₂	2.5	1M		✓
4308	21:13	21:21	LH ₂	2.5	1M		
4309	21:21	21:31	LH ₂	2.5	981k	The beam was taken away	

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last revision 05-April-2008

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E04-007 Run sheet

Date : 28. apr. 08	Kinematic : E-more	Author: S. Sirca
Left Arm momentum (GeV/c) : 1.007 angle : 12.5°	BigBite current (A) : 390 angle : 48°	Right Arm momentum (GeV/c) 0.4596 angle 105°

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
4310	22:10	22:13	^{12}C	2.5	/	juw8 / to set prescales	
4311	22:13	22:43	^{12}C	2.5	1M	C pointing run, $t_d \approx 9\%$	
4312	22:51	22:53	LH_2	3	/	juw8 / to set prescales	
4313	22:54	23:03	LH_2	3	1M		$t_d \approx 18\%$
4314	23:03	23:13	LH_2	3	1M		✓
4315	23:13	23:22	LH_2	3	1M.		✓
4316	23:23	23:32	LH_2	3	1M		✓
4317	23:23	23:41	LH_2	3	1M		✓
20797	23:23		LH_2			R HRS	
4318	23:42	23:50	LH_2	3	1M		
4319	23:52	00:00	LH_2	3	1M.		✓
4320	0.00	0.09	1'	3	1M		

Comments:

NOTE

during run 4311 at 450k events, BPMA X ~~is~~ changed from -1.4 to -0.8. After 525k events, BPMA X = -0.8.

last revision 05-April-2008

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E04-007 Run sheet

Date : 4/29/08	Kinematic : E	Author: Khem
Left Arm momentum (GeV/c) : 1.007 angle : 12.5	BigBite current (A) : 390 angle : 48.5	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?
4321	0.09	0.17	H ₂ loop1	3	1M		✓
4322	0.19	0.26	"	3	1M		
4323	0.27	0.36	"	3	1M		✓
4324	0.36	0.45	"	3	1M		
4325	0.45	0.55	"	"	1M		
4326	0.55	1.03	"	"	1M		
4327	0.04	1.12	"	"	1M		✓
4328	1.12	1.20	"	"	1M		✓
4329	1.21	1.29	"	"	1M		
4330	1.29	1.37	"	"	1M		✓
4331	1.37	1.45	"	"	1M		
4332	1.45	1.54	"	"	1M		

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last revision 05-April-2008

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E04-007 Run sheet

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

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μA)	# events	comments	replay?
4333	1.54	2.02	loop 1 Hz	3	1M		✓
4334	2.02	2.10	loop 1 Hz	3	1M		
4335	2.11	2.20	"	3	1M		✓
4336	2.20	2.28	"	3	1M		✓
4337	2.29	2.37	"	3	1M		
4338	2.37	2.45	"	3	1M		✓
4339	2.45	2.55	"	3	1M		
4340	2.55	3.03	"	3	1M		✓
R 20797	23.33	3.05	"	"	30 304 K		
4341	3.04	3.12	"	"	1M		✓
4342	3.12	3.21	"	"	1M		
4343	3.21	3.30	"	"	1M		✓

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last revision 05-April-2008

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E04-007 Run sheet

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

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μA)	# events	comments	replay?
4344	3.31	3.39	H_2 loop 1	3	1M		
4345	3.39	3.47	"	3	1M		/
4346	3.48	3.56	"	3	1M		✓
4347	3.56	4.04	"	3	1M		
4348	4.05	4.14	"	3	1M		✓
4349	4.15	4.24	"	3	1M		✓
4350	4.24	4.32	"	3	1M		
4351	4.33	4.40	"	3	1M		✓
4352	4.41	4.49	"	3	1M		
4353	4.49	4.57	"	3	1M		✓
4354	4.58	5.07	"	3	1M		
R 20798	3.05	4.58	"	3	160K		

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last revision 05-April-2008

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E04-007 Run sheet

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

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μA)	# events	comments	replay?
4355	5.07	5.15	H_2 loop	3	1M		✓
4357	5.40	5.47	"	3	1M		
4358	5.48	5.57	"	3	1M		✓
4359	5.58	6.12	"	3	1M		
4360	6.12	6.20	"	3	1M		✓
4361	6.20	6.28	"	3	1M		
4362	6.29	6.37	"	3	1M		✓
4363	6.37	6.46	"	3	1M		
4364	6.46	6.54	"	3	1M		✓
R 20799	4.58	6.55	"	3	164 K		
4365	6.57	7.03	"	3	1M		✓
4366	7.03	7.12	"	3	1M		

Comments:

last revision 05-April-2008

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Date : 4/29/08	Kinematic : E	Author: Khem
Left Arm momentum (GeV/c) : 1.007 angle : 12.5°	BigBite current (A) : 390 angle : 48°	Right Arm momentum (GeV/c) 0.4596 angle 105°

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
4367	7:12	7:20	H ₂ loop 1	3	1M		✓
4368	7:21	7:29	Al //	3	1M		✓
			Al				
R 20800	6:55	7:33	H ₂ loop 1	3	52 K		
4369	7:41	7:57	Al dummy	3	1M		
R 20801	7:41	7:57	Al dummy	3	21K		
4370	8:06	8:14	H ₂ loop 1	3	1M		
R 20802	8:06	10:07	#	3	161 K	Beam study.	
4371	8:15	8:24	H ₂	3	1M		
4372	8:24	8:32	H ₂	3	1M		
4373	8:32	8:40	H ₂	3	1M		
4374	8:41	8:49	H ₂	3	1M		

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : 4/29/08	Kinematic : E	Author: hyao
Left Arm momentum (GeV/c) : 1.007 angle : 12.5°	BigBite current (A) : 390 angle : 48°	Right Arm momentum (GeV/c) 0.4596 angle 10.5°

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4375	8:50	8:59	H2	3	1M		
4376	8:59	9:05	H2	3	1M	BB HV tripped.	
4377	8 9:35	9:43	H2	3	1M	Beam back	
4378	9:43	9:54	H2	3	1M		
4379	9:54	10:04	H2	3	1M		
4380	10:04	10:07	H2	3	1M 234K	Beam study	

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : 04/29/08	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)		(μ A)			
4387	18:04	18:08	Ta	3		junk (set prescales)	
4388	18:08	18:20	Ta	3	502 K		
4389	18:24	18:28	C	3		Test for PS.	
4390	18:24	18:33	C	3	—	Another Test PS → Dec \rightarrow Hmo 44%	
4391	18:34	18:57	C	2	503 K	Read Time \rightarrow 40%	
4392	19:09	19:13	L1	3.5		Test PS	
4393	19:14	19:17	L1	3.5		Test PS	
4394	19:17	19:21	L1	3.5		PS Test	
4395	19:21	19:38	L1	3.5	1 M		
4396	19:52	19:55	L1			PS Test	
4397	19:55	20:08	L1	3.5			
4398	20:24	20:38	L1	3.5			

Comments: 4398 20:09 20:23 L1 3.5

last revision 05-April-2008

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E04-007 Run sheet

Date :	Kinematic : C	Author: A. CAMERON DE
Left Arm momentum (GeV/c) : angle :	BigBite current (A) : angle :	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?
4400	20:39	20:44	L1	3.5	236K	HV - went crazy (L-Arm)	
4401	22:39	22:38	L1	3.5	681K	BigBite HV Trip	
4402	22:43	22:58	L1	3.5	1M		
4403	22:58	23:02	L1	3.5	192K 1M	BB HV Trip.	
4404	23:10	23:24	L1	3.5	1M		
4405	23:25	23:38	L1	3.5	1M		
4406	23:39	23:50	L1	3.5	12K	Beam down.	
4407	4:52	5:11	L1	3.5	1M	Beam back	✓
20807	4:52	5:35	L1	3.5	59K		
4408	5:11	5:29	L1	3.5	20K 1M	BBHV Trip	✓
4408	5:30	5:35	L1	3.5	326K		
4410	5:39	5:53	L1	3.5	1M		✓

Comments: Stopped

last revision 05-April-2008

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Date : 04/30/2008	Kinematic : C	Author: A. ADSONNE
Left Arm momentum (GeV/c) : 0.937 GeV/c angle : 14.5	BigBite current (A) : 388 (390 setpoint) angle : 54	Right Arm momentum (GeV/c) 0.25960 angle 105

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
20608	5:38		L1	3.5			
4411	5:53	6:07	L1	3.5	1M		✓
4412	6:07	6:22	L1	3.5	1M		✓
4413	6:22	6:36	L1	3.5	1M		✓
4414	6:36	6:51	L1	3.5	1M	BB MV TRIP right at end	✓
4415	6:55	6:55				JUNK 40KV	
4416	7:03	7:17	L1	3.5	1M		✓
4417	7:17	7:27	L1	3.5	645K	BB MV TRIP	✓
4418	7:33		L1	3.5	1M		✓
4419	7:48		L1	3.5	1M		✓
4420	8:02		L1	3.5	1M		✓
4421	8:17		L1	3.5	1M		✓

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last revision 05-April-2008

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E04-007 Run sheet

Date : <i>April 30. 2008</i>	Kinematic :	Author:
Left Arm momentum (GeV/c) : angle :	BigBite current (A) : angle :	Right Arm momentum (GeV/c) angle

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μA)	# events	comments	replay?
4422	8:32		L1	3.5	1M		
4423	8:49		L1	3.5	568k		✓
4424	9:12		L1	3.5	1M		✓
4425	9:28		L1	3.5	1M		✓
4426	9:41		L1	3.5	1M		✓
4427	9:56		L1	3.5	1M		✓
4428	10:12		L1	3.5	1M		✓
4429	10:28		L1	3.5	1M		✓
4430							✓
4431/20810			holey Carbon			} raster adjustment.	
4432			holey Carbon				
4433-34			holey Carbon				
4434 4435			holey Carbon	2 μA	50k		raster 4x3 (MCC Value)

E04-007 Run sheet

Date : <i>April 30, 2008</i>	Kinematic : <i>C</i>	Author: <i>Yi Qiang</i>
Left Arm momentum (GeV/c) : <i>0.997</i> angle : <i>14.5°</i>	BigBite current (A) : <i>390</i> angle : <i>54°</i>	Right Arm momentum (GeV/c) <i>0.4596</i> angle <i>105°</i>

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
<i>4436</i>	<i>18:13</i>	<i>18:16</i>	<i>LH₂</i>	<i>4 μA</i>	<i>173k</i>	<i>Production BB HV tripped</i>	
<i>R</i> <i>20811</i>	<i>18:13</i>	<i>18:16</i>	<i>LH₂</i>	<i>4</i>	<i>3500</i>		
<i>4437</i>	<i>18:20</i>	<i>18:21</i>	<i>LH₂</i>	<i>4</i>	<i>19k</i>	<i>BB HV tripped</i>	
<i>R</i> <i>20812</i>	<i>18:20</i>	<i>19:26</i>	<i>LH₂</i>	<i>4</i>	<i>103k</i>		
<i>4438</i>	<i>18:31</i>	<i>18:39</i>	<i>LH₂</i>	<i>4</i>	<i>678k</i>	<i>BB HV tripped</i>	<i>Yes</i>
<i>4439</i>	<i>18:43</i>	<i>18:55</i>	<i>LH₂</i>	<i>3.5</i>	<i>849k</i>	<i>BB HV tripped,</i>	
<i>4440</i>	<i>18:59</i>	<i>19:06</i>	<i>LH₂</i>	<i>3.5</i>	<i>512k</i>	<i>BB HV tripped</i>	<i>Yes</i>
<i>4441</i>	<i>19:13</i>	<i>19:18</i>	<i>LH₂</i>	<i>3.5</i>	<i>336k</i>	<i>BB HV tripped</i>	
<i>4442</i>	<i>19:23</i>	<i>19:24</i>	<i>LH₂</i>	<i>3.5</i>	<i>33k</i>	<i>BB HV tripped</i>	<i>Yes</i>
<i>4443</i>	<i>19:30</i>	<i>19:31</i>	<i>LH₂</i>	<i>3.5</i>	<i>18k</i>	<i>BB HV tripped</i>	
<i>R</i> <i>20813</i>	<i>19:30</i>		<i>LH₂</i>	<i>3.5</i>			
<i>4444</i>	<i>19:39</i>	<i>19:43</i>	<i>LH₂</i>	<i>3.5</i>	<i>212k</i>	<i>BB HV tripped</i>	

Comments: *BB HV
Beam trip is together with Beam trip!*

E04-007 Run sheet

Date : <i>April 30, 2008</i>	Kinematic : <i>C</i>	Author: <i>Yi Qiang</i>
Left Arm momentum (GeV/c) : <i>0.997</i> angle : <i>14.5°</i>	BigBite current (A) : <i>390</i> angle : <i>54</i> <i>54°</i>	Right Arm momentum (GeV/c) <i>0.4596</i> angle <i>54</i> <i>105°</i>

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
<i>4445</i>	<i>19:47</i>	<i>19:50</i>	<i>LH₂</i>	<i>3.5</i>	<i>103k</i>	<i>HV trip</i>	
<i>4446</i>	<i>20:45</i>	<i>20:46</i>	<i>LH₂</i>	<i>3.5</i>	<i>61k</i>	<i>HV trip</i>	
<i>R 20814</i>	<i>20:45</i>	<i>21:05</i>	<i>LH₂</i>	<i>3.5</i>	<i>30k</i>		
<i>4447</i>	<i>20:53</i>	<i>21:00</i>	<i>LH₂</i>	<i>3.5</i>	<i>432k</i>	<i>HV trip</i>	
<i>4448</i>	<i>21:05</i>	<i>21:15</i>	<i>LH₂</i>	<i>3.5</i>	<i>621k</i>	<i>HV trip</i>	
<i>R 20815</i>	<i>21:05</i>	<i>21:33</i>	<i>LH₂</i>	<i>3.5</i>	<i>58k</i>		
<i>4449</i>	<i>21:20</i>	<i>21:20</i>	<i>LH₂</i>	<i>3.5</i>	<i>162</i>	<i>Junk HVtrip</i>	
<i>4450</i>	<i>22:11</i>	<i>22:19</i>	<i>LH₂</i>	<i>3.5</i>	<i>541k</i>	<i>HV trip</i>	
<i>R 20816</i>	<i>22:11</i>	<i>00:16</i>	<i>"</i>	<i>"</i>	<i>191k</i> <i>435</i>		
<i>4451</i>	<i>22:23</i>	<i>22:37</i>	<i>LH₂</i>	<i>3.5</i>	<i>1M</i>		<i>Yes</i>
<i>4452</i>	<i>22:39</i>	<i>22:53</i>	<i>LH₂</i>	<i>3.5</i>	<i>1M</i>		<i>Yes</i>
<i>4453</i>	<i>22:53</i>	<i>23:07</i>	<i>LH₂</i>	<i>3.5</i>	<i>1M</i>		<i>Yes</i>

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : April 30, 2008	Kinematic : C	Author: Yi Qiang
Left Arm momentum (GeV/c) : 0.997 angle : 14.5°	BigBite current (A) : 390 angle : 54°	Right Arm momentum (GeV/c) 0.4596 angle 105°

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
4454	23:08	23:21	LH ₂	3.5	1M		
4455	23:21	23:36	LH ₂	3.5	1M		Yes
4456	23:37	23:51	LH ₂	3.5	1M		Yes
4457	23:51	00:04	LH ₂	3.5	1M		Yes
4458	00:04	00:16	LH ₂	4	1M		✓ ⁰³
4459	00:16	00:27	LH ₂	4	1M		✓ ⁰⁴
20817	00:17	00:27 00:31	"	"	1M-23K	BB HV Trip	
4460	00:28	00:31	"	"	275K	BB HV Trip	
20818	00:36	00:58	"	"	34K	ended to Kcode	
4461	00:36	00:50	"	"	DAQ Froze	Kill code on L	
4462	01:14	01:27	"	"	1M		✓
20819	01:14	02:12	"	"	93K	BB HV trip	

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last revision 05-April-2008

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E04-007 Run sheet

Date : May 1, 2008	Kinematic : C	Author: K. Aniol
Left Arm momentum (GeV/c) : 0.997 angle : 14.5°	BigBite current (A) : 390A angle : 54°	Right Arm momentum (GeV/c) : 0.4596 angle : 105°

Run number	start time (hh:mm)	duration (min)	Target type	Beam (μA)	# events	comments	
4463	01:27	01:39	Li ₂ -100 μ	3.8	1M	✓	.4
4464	01:40	01:51	"	"	1M	✓	.3
4465	01:52	02:04	"	"	1M	✓	.3
4466	02:04	02:12	"	"	652K	BB HV Trip	.3
4467	02:16	02:31	"	"	1M		.4
20820	02:16	02:35	"	"	28K	BB HV TRIP ↓	.4
4468	02:31	02:35	"	"	296K	✓	.4
20821	02:41	04:16	"	"	151K	BB HV Trip	.4
4469	02:41	02:56	"	"	1M	✓	.4
4470	02:56	03:08	"	"	1M	✓	.3
4471	03:08	03:21	"	"	1M	✓	.4
4472	03:21	03:34	"	"	1M	✓	.3

Comments:

E04-007 Run sheet

Date : May 1 2008	Kinematic : C	Author: K, Anil
Left Arm momentum (GeV/c) : 0.997 angle : 14.5	BigBite current (A) : 390A angle : 54°	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?
4473	03:34	03:46	LHz loop 1	3.8	1M		✓
4474	03:46	03:57	"	"	1M		✓
4475	03:57	04:10	"	"	1M		✓
4476	04:11	04:15	"	"	475K	BBHV Trip	
20822	04:22	05:07	"	"	68K	BBHV Trip	
4477	04:22	04:33	"	"	1M		✓
4478	04:34	04:52	"	"	1M		✓
4479	04:52	05:05	"	"	1M		✓
4480	05:05	05:07	"	"	128K	BBHV Trip	
4481	05:13	05:25	"	"	1M		✓
20823	05:13	05:28	"	"	25K	BBHV Trip	
4482	05:25	05:29	"	"	272K	BBHV Trip	

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : <i>May 1, 2008</i>	Kinematic : <i>C</i>	Author: <i>K. Aniol</i>
Left Arm momentum (GeV/c) : <i>0.997</i> angle : <i>14.5</i>	BigBite current (A) : <i>390 A</i> angle : <i>540</i>	Right Arm momentum (GeV/c) : <i>0.4596</i> angle : <i>105°</i>

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μA)	# events	comments	replay?
<i>20824</i>	<i>05:35</i>	<i>06:12</i>	<i>LH2 loopi</i>	<i>3.9</i>	<i>61K</i>	<i>BB HV trip</i>	
<i>4483</i>	<i>05:35</i>	<i>05:46</i>	<i>"</i>	<i>"</i>	<i>1M</i>		<input checked="" type="checkbox"/>
<i>4484</i>	<i>05:47</i>	<i>05:58</i>	<i>"</i>	<i>"</i>	<i>1M</i>		<input checked="" type="checkbox"/>
<i>4485</i>	<i>05:58</i>	<i>06:10</i>	<i>"</i>	<i>"</i>	<i>1M</i>		<input checked="" type="checkbox"/>
<i>4486</i>	<i>06:10</i>	<i>06:12</i>	<i>"</i>	<i>"</i>		<i>BB HV trip</i>	<input checked="" type="checkbox"/>
<i>R 20825</i>	<i>06:19</i>	<i>06:50</i>	<i>"</i>	<i>"</i>	<i>43K</i>	<i>endrun-no beam</i>	
<i>4487</i>	<i>06:19</i>	<i>06:31</i>	<i>"</i>	<i>"</i>	<i>1M</i>		<input checked="" type="checkbox"/>
<i>4488</i>	<i>06:32</i>	<i>06:50</i>	<i>"</i>	<i>"</i>	<i>859K</i>	<i>endrun-no beam</i>	<input checked="" type="checkbox"/>
<i>4489</i>	<i>06:56 448</i>	<i>07:07</i>	<i>"</i>	<i>"</i>	<i>1M</i>		<input checked="" type="checkbox"/>
<i>20826</i>	<i>06:55</i>	<i>9:27</i>	<i>"</i>	<i>"</i>	<i>225K</i>		
<i>4490</i>	<i>07:07</i>	<i>07:19</i>	<i>"</i>	<i>"</i>	<i>1M</i>		<input checked="" type="checkbox"/>
<i>4491</i>	<i>07:19</i>	<i>07:32</i>	<i>"</i>	<i>"</i>	<i>1M</i>		<input checked="" type="checkbox"/>

Comments:

E04-007 Run sheet

Date: <i>May 1, 2008</i>	Kinematic: <i>C</i>	Author: <i>K. Aniol</i>
Left Arm momentum (GeV/c): <i>0.997</i> angle: <i>14.5°</i>	BigBite current (A): <i>390</i> angle: <i>54°</i>	Right Arm momentum (GeV/c) <i>0.4596</i> angle <i>105°</i>

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
<i>4492</i>	<i>07:32</i>		<i>LH2 loop1</i>	<i>3.8</i>	<i>1M</i>		<input checked="" type="checkbox"/>
<i>4493</i>	<i>07:44</i>	<i>7:56</i>	<i>H2</i>	<i>3.8</i>	<i>1M</i>		<input checked="" type="checkbox"/>
<i>4494</i>	<i>7:56</i>	<i>8:09</i>	<i>H2</i>	<i>3.8</i>	<i>1M</i>		<input checked="" type="checkbox"/>
<i>4495</i>	<i>8:09</i>	<i>8:22</i>	<i>H2</i>	<i>3.8</i>	<i>1M</i>		<input checked="" type="checkbox"/>
<i>4496</i>	<i>8:23</i>	<i>8:35</i>	<i>H2</i>	<i>3.8</i>	<i>1M</i>		<input checked="" type="checkbox"/>
<i>4497</i>	<i>8:36</i>	<i>8:50</i>	<i>H2</i>	<i>3.8</i>	<i>1M</i>		<input checked="" type="checkbox"/>
<i>4498</i>	<i>8:50</i>	<i>9:05</i>	<i>H2</i>	<i>3.8</i>	<i>1M</i>		<input checked="" type="checkbox"/>
<i>4499</i>	<i>9:28</i>	<i>9:40</i>	<i>H2</i>	<i>3.9</i>	<i>1M</i>		<input checked="" type="checkbox"/>
<i>20827</i>	<i>9:28</i>	<i>13:02</i>	<i>H2</i>	<i>3.9</i>			<input checked="" type="checkbox"/>
<i>4500</i>	<i>9:40</i>	<i>9:52</i>	<i>H2</i>	<i>3.9</i>	<i>1M</i>		<input checked="" type="checkbox"/>
<i>4501</i>	<i>9:52</i>	<i>9:54</i>	<i>H2</i>	<i>3.9</i>	1M <i>109K</i>	<i>HV tripp</i>	<input checked="" type="checkbox"/>
<i>4502</i>	<i>10:00</i>	<i>10:14</i>	<i>H2</i>	<i>3.9</i>	<i>419K</i>	<i>Beam off</i>	<input checked="" type="checkbox"/>

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : 5/1/2008	Kinematic : C	Author: hyao
Left Arm momentum (GeV/c) : 0.997 angle : 14.5°	BigBite current (A) : 390 angle : 54°	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?
4503	10:33	10:45	H2	3.8	1M		✓
4504	10:46	10:56	H2	3.8	1M		✓
4505	10:57	11:08	H2	3.8	1M		✓
4506	11:09	11:21	H2	3.8	1M		✓
4507	11:21	11:34	H2	3.8	1M		✓
4508	11:34	11:46	H2	3.8	1M		✓
4509	11:47	11:58	H2	3.8	1M		
4510	11:59	12:10	H2	3.8	1M		
4511	12:10	12:23	H2	3.8	1M		
4512	12:23	12:35	H2	3.8	1M		
4513	12:35	12:50	H2	3.8	1M		
4514	12:51	13:02	H2	3.8	1M		

Comments:

last revision 05-April-2008

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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 Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μA)	# events	comments	replay?
L 4515	13:10	13:29	AL	4	1 M		
R 20828	13:11	13:49	AL	4	55 K		
L 1416	13:29	13:49	AL	4	1 M		

Comments:

E04-007 Run sheet

Date : 5/1	Kinematic : F F	Author: NORUM
Left Arm momentum (GeV/c) : 1.194 angle : 14.5	BigBite current (A) : 390 angle : 480	Right Arm momentum (GeV/c) 0.4596 angle 105°

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
L 4517	14:58	15:10	Ta	4	0.63M	DT = 28%	✓
R 20829	14:58	15:11	Ta	4	12K		
L 4518	15:19	15:31	C	4	0.6M	DT = 24%	✓
R 20831	15:20	15:31	C	4	10K		
	LH2S		P =	1147	MeV/c		
L 4519	15:49	15:58	H ₂ Loop 1	4	0.51M	DEI 1 %	
R 20832	15:48	15:58	H ₂ Loop 1	4	15K		
L 4520	16:08	16:17	✓	4	1M	Production	✓
R 20833	16:07	18:14	✓	4	192k		
4521	16:17	16:27	LH ₂	3.5	929k	BB HV Trip.	
4522	16:32	16:44	LH ₂	3.5	1M		

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : 5.1.2008	Kinematic : F production	Author: Yi Qiang
Left Arm momentum (GeV/c) : 0.997 angle : 14.5°	BigBite current (A) : 390 angle : 48°	Right Arm momentum (GeV/c) 0.4596 angle 105°

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
4523	16:44	16:55	LH ₂	3.5	1M	production	✓
4524	16:55	17:05	LH ₂	3.5	1M		
4525	17:06	17:16	LH ₂	3.5	1M		✓
4526	17:16	17:28	LH ₂	3.5	1M		
4527	17:29	17:39	LH ₂	3.5	1M		✓
4528	17:40	17:51	LH ₂	3.5	1M		
4529	17:51	18:02	LH ₂	3.5	1M		✓
4530	18:02	18:13	LH ₂	3.5	1M		
4531	18:14	18:24	LH ₂	3.5	1M		✓
R 20834	18:14	19:56	LH ₂	3.5	154k		
4532	18:25	18:35	LH ₂	3.5	1M		
4533	18:35	18:47	LH ₂	3.5	1M		✓

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : 5.1. 2008	Kinematic : F production	Author: Yi Qiang
Left Arm momentum (GeV/c) : 0.997 angle : 14.5°	BigBite current (A) : 390 angle : 48°	Right Arm momentum (GeV/c) 0.4596 angle 105°

Run number	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4534	18:47	18:59	LH ₂	3.5	1M		
4535	18:59	19:10	LH ₂	3.5	1M		
4536	19:10	19:21	LH ₂	3.5	1M		✓
4537	19:21	19:34	LH ₂	3.5	1M		
4538	19:34	19:45	LH ₂	3.5	1M		✓
4539	19:45	19:56	LH ₂	3.5	1M		
4540	20:04	20:25	Al	3.5	1M	60000/10000/3000 82/111/2500/100	✓
4541	20:26	20:45	Al	3.5	1M	D.T. -7% ???	✓
R 20835	20:04	20:45	Al	3.5	57k	Al dummy	
R 20836	20:52	22:57	LH ₂	3.5	188k	Al dummy	
4542	20:53	21:03	LH ₂	3.5	1M		
4543	21:03	21:17	LH ₂	3.5	1M	Production	
							✓

Comments:

E04-007 Run sheet

Date : 5.1.2008	Kinematic : F production	Author: Yi Qiang
Left Arm momentum (GeV/c) : 0.997 angle : 14.5°	BigBite current (A) : 390 angle : 48°	Right Arm momentum (GeV/c) 0.4596 angle 105°

Run number	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4544	21:17	21:28	LH ₂	3.5	1M		
4545	21:28	21:39	LH ₂	3.5	1M		
4546	21:40	21:50	LH ₂	3.5	1M		✓
4547	21:50	22:02	LH ₂	3.5	1M		
4548	22:03	22:13	LH ₂	3.5	1M		✓
4549	22:13	22:24	LH ₂	3.5	1M		
4550	22:24	22:34	LH ₂	3.5	1M		✓
4551	22:35	22:45	LH ₂	3.5	1M		
4552	22:46	22:57	LH ₂	3.5	1M		✓
4553	22:57	23:03	LH ₂	3.5	563k	BB HV Trip	
R 20837	22:57		LH ₂	3.5			✓
4554	23:10	23:20	LH ₂	3.5	1M		

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : 5.1.2008	Kinematic : F Production	Author: Yi Qiang
Left Arm momentum (GeV/c) : 0.997 angle : 14.5°	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?
4555	23:20	23:31	LH ₂	3.5	1M		✓
4556	23:32	23:43	LH ₂	3.5	1M		
4557	23:43	23:53	LH ₂	3.5	1M		✓
4558	23:54	00:08	LH ₂	3.5	1M		
4559	00:09	00:18	LH ₂	3.5	1M		✓
4560	00:19	00:30	LH ₂	3.5	1M		
4561	00:31	00:41	LH ₂	3.5	1M		✓
4562	00:42	00:53	LH ₂	3.5	1M		
4563	00:55	1:06	LH ₂	3.5	1M		✓
4564	1:06	1:17	LH ₂	3.5	1M		
4565	1:17	1:30	LH ₂	3.5	1M		✓
4566	1:32	1:43	LH ₂	3.5	1M		
4567	1:43	1:53	LH ₂	3.5	1M		✓

Comments:

E04-007 Run sheet

Date : 5/2/2008	Kinematic : F production	Author: V. Nelyubin
Left Arm momentum (GeV/c) : 0.997 angle : 14.5°	BigBite current (A) : 390 angle : 48°	Right Arm momentum (GeV/c) 0.4596 angle 105°

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
4568	1:55	2:05	LH ₂	3.5	1M		
4569	2:07	2:18	LH ₂	3.5	1M		✓
4570	2:19	02:30	LH ₂	3.5	0.83M	BB HV trip @ 2.24	
4571	2:31	2:42	LH ₂	3.5	1M		
4572	2:49	2:54	LH ₂	3.5	1M		
4573	2:55	3:06	LH ₂	3.5	1M		✓
4574	3:07	3:18	LH ₂	3.5	1M		
4575	3:19	3:34	LH ₂	3.5	1M		✓
4576	3:36	3:46	LH ₂	3.5	1M		
4577	3:47	3:57	LH ₂	3.5	1M		
4578	3:58	4:10	LH ₂	3.5	1M		
4579	4:11	4:24	LH ₂	3.5	1M		

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date: 5/2/2008	Kinematic: F production	Author: V. Nelyubin
Left Arm momentum (GeV/c): 0.997 angle: 14.5°	BigBite current (A): 390 angle: 48°	Right Arm momentum (GeV/c) 0.4596 angle 105°

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
4580	4:25	4:35	LH2	3.5	1 M		
4581	4:36	4:46	LH2	3.5	1 M		✓
4582	4:47	4:59	LH2	3.5	1 M		
4583	5:00	5:12	LH2	3.5	1 M		✓
4584	5:12	5:19	LH2	3.5	0.69 M	Beam jump 1 ch. trip BB chamber	
4585	5:24	5:34	LH2	3.5	1 M		
4586	5:35	6:02	LH2	3.5	0.653 M	SO S1 trip beam spike	
4587	6:08	6:18	LH2	3.5	1 M		✓
4588	6:20	6:32	LH2	3.5	1 M		✗
4589	6:33	6:44	LH2	3.5	1 M		✓
4590	6:45	6:55	LH2	3.5	1 M		✗
4591	6:56	7:08	LH2	3.5	1 M		

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : 5/2/2008	Kinematic : F production	Author: V. Nelyubin
Left Arm momentum (GeV/c) : 0.997 angle : 14.5°	BigBite current (A) : 390 angle : 48°	Right Arm momentum (GeV/c) 0.4596 angle 105°

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
4592 7:08	7:08	7:19	LH2	3.5	1M		
4593	7:20	7:37	LH2	3.5	1M		
4594	7:37	7:48	LH2	3.5	1M		
4595	7:49	7:59	LH2	"	1M		
4596	8:00	8:11	LH2	"	1M		
4597	8:11	8:23	LH2	"	1M		OK
4598	8:24	8:34	LH2	"	1M	3.5 μ A	
4599	8:35	8:45	LH2	3.5 μ A	1M	DT=10%	0
4600	8:47	9:06	LH2	2.5 μ A		2.5 μ A DT=4%	OK
4601	9:06	9:24	-	2.5 μ A		2.5 DT=0%	
4602	9:26	9:34	"	4.5 μ A		DT=22%	OK
4603	9:35	9:44		4.5 μ A			

Comments:

Runs 4600 \rightarrow 4611

F production runs with varying beam current to study dead time effects

E04-007 Run sheet

Date : 5/2/2008	Kinematic : F continued calibration for N-Delta	Author: Bogdan/Lindgren
Left Arm momentum (GeV/c) : angle :	BigBite current (A) : 390A angle : 48°	Right Arm momentum (GeV/c) 0.4596 angle 105°

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
4604	9:44	9:51		4.5	1M		
4605	9:55	10:02		5.0	1M		OK
4606	10:02	10:09		5.0	1M	25% d.t.	
4607	10:10	10:22		5.0	1M		
4608	10:23	10:32		5.0	1M		
4609	10:33	10:45		3.5	1M	11%	
20838	10:33	14:04	LH2	3.5	1M	mixed targets	
4610	10:45	10:56	- -	3.5	1M		
4611	10:56	11:06	LH2	3.5	1M	ps	
4612	11:59	12:12	TA	2	391k	Ta, new ps factor	✓
4613	12:20	12:40	C	5.0	0.235M	increase beam to <u>104A</u>	✓
4614	13:00	13:20	LH2	5.0	0.849M		✓

Comments:

Runs starting with 4612 beam HRS = 27.0°
calibration runs for the N-Delta kinematics

last revision 05-April-2008

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E04-007 Run sheet

Date : 05/02/2008	Kinematic : F	Author: A. Rakhman
Left Arm momentum (GeV/c) : 1147 angle : 35.5	BigBite current (A) : 390 angle : 54	Right Arm momentum (GeV/c) 0.4598 angle 105

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μ A)	# events	comments	replay?
4615	14:03		LD2	2 μ A	31k	kin M	OK
4616	14:35	14:58	LD2	4 μ A	HV trip	kin M	
4617	14:43	15:19	LD2	4	1M	DT = -7%	✓
4618	15:19	15:22	-	-	71833	HV TRIP	
4619	15:27	15:52	LD2	5 μ A	1M	DT = 0%	
4620	16:03	16:38	dummy	5 μ A	0.47M		
4621	17:49	18:04	LD2	4.0	55899	Carbon target calibration	✓
20843	17:49	18:04	LD2	4.0	14880	,	✓
4622	18:12		LD2	4.0		Junk	
20844	18:12		LD2	4.0		Junk	
4623	18:31	18:35	LD2	4.0		D2 Junk	
20845	18:31	18:35	LD2	4.0		D2 Junk	

Run 4621 taken with wrong momentum.

Comments:

Run 4622 was not stopped properly, ~~had to stop~~ take it again later.

Run 4623 - move to LD2 target, set p₀ scales

Run 4624 LD2 target - good run

E04-007 Run sheet

Date : 05/02/2008	Kinematic : Calibration	Author: A. Rakhman
Left Arm momentum (GeV/c) : 0.997 angle : 35.5°	BigBite current (A) : 388.1 angle : 54	Right Arm momentum (GeV/c) 0.4596 angle 105

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
4624	18:37	18:52 19:02	LD2	4.0	0.648 M	good calibration	✓
R 20846	18:39	20:00	LD2	4.0	0.180738M	,	
4625	19:04	19:24	LD2	4.0	0.526347M	good calibration	✓
4626	19:24	20:00	,	,	0.549430M	,	✓
4627	20:08	20:34	LH2	,	50K	calibration	✓
R 20847	20:08	21:10	LH2	,	50K	calibration	
4628 20847	20:34	21:04	LH2	4.0	50K	calibration	✓
4629	21:44	21:52	calib	4.0	100K	calibration	✓
R 20848	21:45	22:12	calib	4.0	261K	calibration	
4630	21:52	22:11	calib	4.0	205K	calibration	✓
4631	22:20	22:34	Decalib Lap 26	4.0	50K	200K calibration	
R 20849	22:19	23:00	,	4.0	49K	calibration	

Comments:

Deadline
- 5%

last revision 05-April-2008

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E04-007 Run sheet

Date : 05/02/2008	Kinematic : calibrations	Author: <i>Tracy J. J. ...</i>
Left Arm momentum (GeV/c) : 0.957 angle : 35.5	BigBite current (A) : 366.1 angle : 54	Right Arm momentum (GeV/c) 0.4546 angle 105

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
4632	22:35	23:00	DAP2 6cm	4	31K 500K	calibrations	✓
4633	1:29	1:44	loop 2 6cm	4	500K		
R 20850	1:29	2:00	"	4	76K		
4634	1:45	1:59	"	4	500K		
4635	2:08	2:33	He loop 1	4	500K	changing fan speed and flow of the target	
R 20851	2:08	3:00	"	4	82K		
4636	2:34	2:59	"	4	500K		✓
4637	3:07	4:40	"	5	412K		✓
R 20852	3:07	4:40	"	5	152K		
4638	4:41	5:23	"	5	200K		✓
R 20853	4:41	5:23	"	5	74K		
4639	5:24	5:55	"	5	141K	MV trip	✓
R 20854	5:24	5:55	"	5	54K		

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : 5/03	Kinematic : calibrate	Author: Khem
Left Arm momentum (GeV/c) : 0.997 angle : 35.5°	BigBite current (A) : angle : 54	Right Arm momentum (GeV/c) 0.4596 angle 105°

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
4640	6.02	6.08	loop 1	5	30K		✓
R 20855	6.02	6.08	"	5	12K		
4641	6.09	6.33	"	5	81K		✓
R 20856	6.09	6.33	"	5	31K		
4642	6.39	6.46	"	5	200K		✓
4643	6.47	6.55	"	5	200K		
R 20857	6.38	6.56	"	5	29K		
4662							

Comments:

E04-007 Run sheet

Date : 5/3	Kinematic : B	Author: Rhem
Left Arm momentum (GeV/c) : 1194 angle : 16.5°	BigBite current (A) : 390° angle : 54	Right Arm momentum (GeV/c) 0.4596 angle 105°

Run number	start time	stop time	target	beam	# events	comments	replay?
Left/Right	(hh:mm)	(hh:mm)		(μ A)			
4644	7:27	7:44	Ta	4	530K		
R 20058	7:27	7:44	"	4	15K		
4645	7:48	8:01	C	4	722K		✓
R 20059	7:48	8:01	C	4	13K		
4646	8:19		LH ₂	4	324K	calibration Big bite HP wife	1.1338
R 20860	8:35	16:36	LH ₂	4	725K	⊗	R
4647	8:39	8:49	LH ₂	4	1M	calibration production	1.1338
4648	8:57	9:17	LH ₂	4	1M	production	986
4649	9:17	9:33	LH ₂	4	1M	production	986✓
4650	9:34	9:52	LH ₂	4	1M	production	986✓
4651	9:53	10:09	LH ₂	4.5	1M	production	986✓
4652	10:09	10:25	LH ₂	4.5	4M	11	986✓

Comments:

⊗ last part with 30MM target mixed.

last revision 05-April-2008

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E04-007 Run sheet

Date : 5/3	Kinematic :	Author:
Left Arm momentum (GeV/c) : 0.986 angle : 16.5°	BigBite current (A) : angle : 59	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?
4653	10:26	10:41	LH ₂	4.8	1024	Production	Yes
4654	10:42	10:56	LH ₂	4.9	107	Production	"
4655	10:55	11:09	LH ₂	4.9	1M	Production	"
4656	11:09	11:25	LH ₂	4.5	1M	Production	"
4657	11:26	11:51	LH ₂	4.5	1M	Production	✓
4658	11:52	12:21	LH ₂	4.5	1M	Production	? big peak?
4659	12:22	12:40	LH ₂	4.5	1M	"	✓
4660	12:40	13:03	LH ₂	4.5	0.25M	"	✓
4661	13:16	13:36	LH ₂	4.5	1M	"	
4662	13:37	14:01	LH ₂	4.5	1M	"	
4663	14:03	14:32	LH ₂	4.5	1M	"	
4664	14:33	14:52	LH ₂	4.5	1M	"	

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date :	Kinematic : $F_{part} F_{\pm}$	Author:
Left Arm momentum (GeV/c) : angle :	BigBite current (A) : angle :	Right Arm momentum (GeV/c) : angle :

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μA)	# events	comments	replay?
4665	14:53	15:11	LiH_2	4.5	100	Production	
4666	15:12	15:30	LiH_2	4.5	100	Production	
4667	15:31	15:49	LiH_2	4.5	100	4	✓
4668	15:50	16:09	LiH_2	4.5	100	Production	✓
4669	16:10	16:15	LiH_2	4.5	0.31 M	Production	✓
4670	16:21	16:35	Dummy AC	4.5	0.82 M	Calibration	✓
4671	18:15	18:29	Ta	3.5	356 k	Calibration	STOPPED LINAC TRIP
4672	18:35	18:45	Ta	3.5	527 k	Calibration	Problem BEAMS TIME
4673	18:54	19:12	C	3.0; 2.0	704 k	Calibration	Problem BEAMS TIME
4674	19:25	19:36	LiH_2	2.0	100	Calibration Elastic H	
20861	19:29	22:38	LiH_2	3.0	257 k	Prod	RIGHT ARM
4675	19:52	20:03	LiH_2	3.5	0.96	Production kin. F part III RUN STOPPED BIG BITE CHAMBERS TRIP	✓

Comments:

last revision 05-April-2008

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E04-007 Run sheet

Date : <i>May 368</i>	Kinematic : <i>F part III</i>	Author:
Left Arm momentum (GeV/c) : angle :	BigBite current (A) : <i>390</i> angle : <i>48°</i>	Right Arm momentum (GeV/c) angle

Run number Left/Right	start time (hh:mm)	stop time (hh:mm)	target	beam (μA)	# events	comments	replay?
<i>4676</i>	<i>20:29</i>	<i>20:32</i>	<i>6cm LH₂</i>	<i>3.5</i>	<i>175 K</i>	<i>BB HV trip Production</i>	<input checked="" type="checkbox"/>
<i>4677</i>	<i>20:48</i>	<i>21:01</i>	<i>LH₂ 6cm</i>	<i>3.0</i>	<i>1 M</i>	<i>Production</i>	<input checked="" type="checkbox"/>
<i>4678</i>	<i>21:02</i>	<i>21:06</i>	<i>"</i>	<i>3.0</i>	<i>0.200 M</i>	<i>Big Bite trip Production</i>	
<i>4679</i>	<i>21:19</i>	<i>21:38</i>	<i>"</i>	<i>3.0</i>	<i>1 M</i>	<i>Production</i>	<input checked="" type="checkbox"/>
<i>4680</i>	<i>21:39</i>	<i>21:52</i>	<i>"</i>	<i>3.0</i>	<i>1 M</i>		<input checked="" type="checkbox"/>
<i>4681</i>	<i>21:53</i>	<i>22:07</i>			<i>1 M</i>		<input checked="" type="checkbox"/>
<i>4682</i>	<i>22:07</i>	<i>22:22</i>			<i>1 M</i>		<input checked="" type="checkbox"/>
<i>4683</i>	<i>22:22</i>	<i>22:37</i>			<i>1 M</i>		<input checked="" type="checkbox"/>
<i>4684</i>	<i>22:27</i>	<i>22:50</i>			<i>1 M</i>		<input checked="" type="checkbox"/>
<i>20862</i>	<i>22:40</i>		<i>LH₂ 6cm</i>	<i>3.0</i>			<i>RIGHT ARM</i>
<i>4685</i>	<i>22:51</i>	<i>23:05</i>	<i>LH₂ 6cm</i>	<i>3.0</i>	<i>1 M</i>		<input checked="" type="checkbox"/>
<i>4686</i>	<i>23:06</i>	<i>23:21</i>		<i>3.0</i>	<i>1 M</i>		<input checked="" type="checkbox"/>

Comments:

last revision 05-April-2008

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