

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

Date: 5/22/09	Author: Brad Schoenrock
Beam Energy: 2.425 GeV	Using Pol ^3He Cell: <input checked="" type="radio"/> N, Long, <input checked="" type="radio"/> Tran or Vertical
RHRS	BigBite
Momentum (GeV/c): 2.224	Polarity: "-"
Angle: 16°	Sieve Plate: IN or <input checked="" type="radio"/> OUT
	Current (A): 515
	Polarity: Positive
	Angle: 75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
21499	16:03	16:31	^3He	10	4.27M	16		<input checked="" type="checkbox"/>
21500	16:32	16:59	^3He	10	4.28M	16		<input checked="" type="checkbox"/>
21501	17:00	17:30	^3He	10	4.28M	16		<input checked="" type="checkbox"/>
21502	17:30	17:58	^3He	10	4.27M	16		<input checked="" type="checkbox"/>
21503	18:15	18:24	^3He	10	1.37M	17	staped short for Hall work	
21504	19:44	20:42	^3He	0	90K		test run	
21505	20:46	21:48	^3He	0	97K		cosmic	
21506	22:37	22:45	^3He	2	330K		check cgt	
21507	22:58	23:06	^3He	2	295K		check cgt 6x6 raster	
21508	23:08	23:14	^3He	2	246K		check cgt 2x2 raster	
21509	23:16	23:28	^3He	2	514K		check cgt 4x4 raster	
21510	23:33	00:15	optics	2	57			

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

More Comments:

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Date: 5-23-2009	Author: Salvatore Trullani
Beam Energy: 2.425 GeV	Using Pol ^3He Cell: <input checked="" type="checkbox"/> N, Long, <input checked="" type="checkbox"/> Tran, or Vertical
LHRS Momentum (GeV/c): 2.277 Angle: 14.5°	BigBite Polarity: "-" Current (A): 515 Sieve Plate: IN or <input checked="" type="checkbox"/> OUT? Angle: 75° Polarity: Positive

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
2608	00:17	00:40	OPTICS	2.0	45K			
2609	00:44	00:46	H ₂			0		
2610	00:50	01:07	H ₂	5.0	17	0	p = 2.277 GeV	
2611	01:40	01:55	H ₂		17	0	p = 2.250 GeV	
2612	02:00	02:05	OPTICS		17	22		
2613	02:37	02:42			17	38	p = 2.250 GeV	
2614	02:48	03:04	Ref. Cell H ₂	5.0	17	0		
2615	03:35	03:50			17	0	p = 2.200 GeV	
2616	03:53	03:58	OPTICS		17	29		
2617	04:06	04:11			17	29	p = 2.175 GeV	
2618	04:15	04:30	Reference H ₂		17	0		
2619	04:57	05:03	^3He	10	17	7	p = 2.277 GeV	<input checked="" type="checkbox"/>

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Date: 5-23-2009	Author: Salvore Fine Beam
Beam Energy: 2.425 GeV	Using Pol ^3He Cell: <input checked="" type="radio"/> N, Long <input checked="" type="radio"/> Tran, or Vertical
RHRS	BigBite
Momentum (GeV/c): 2.224	Polarity: "-"
Angle: 16.0°	Sieve Plate: IN or <input checked="" type="radio"/> OUT?
	Current (A): 515
	Polarity: Positive
	Angle: 25°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
21511	00:17	00:40	OPTICS	2.0	63k			
21512	00:43	00:46	H ₂			0		
21513	00:53	01:08	H ₂	5.0	1.27	7	p = 2.224 GeV	
21514	01:39	01:55	H ₂		1.187	8	p = 2.200 GeV	
21515	02:00	02:05	OPTICS		1.2	27		
21516	02:36	02:42	OPTICS		1.22	28	p = 2.175 GeV	
21517	02:47	03:04	Ref. Cell H ₂	5.0	1.15	8		
21518	03:34	03:50			1.14	9	p = 2.150 GeV	
21519	03:53	03:58	OPTICS		1.24	30		
21520	04:04	04:11			1.17	24	junk (recycling) to cleanup	
21521	04:15	04:31	Ref. Cell H ₂			10	junk to cleanup recycling	
21522	04:54	05:04	^3He	10	1.17	16	p = 2.2248	

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More Comments:

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Date: 5-23-2009	Author: Salvatore Frullone / Tirenman		
Beam Energy: 2.425 GeV	Using Pol ^3He Cell: <input checked="" type="checkbox"/> N, Long, <input checked="" type="checkbox"/> Tran, or Vertical		
LHRS	BigBite		
Momentum (GeV/c): 2.277	Polarity: "-"	Current (A): 515	Polarity: Positive
Angle: 14.5°	Sieve Plate: IN or <input checked="" type="checkbox"/> OUT?	Angle: 75°	

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
2620	0505	0532	^3He	10	4M	7		✓
2621	0533	0558	^3He	10	4M	6		✓
2622	0600	0627	^3He	10	4M	7		✓
2623	0630	0657	^3He	10	4M	6		✓
2624	0700	0729	^3He	10	4M	7		✓
2625	0732	0757	^3He	10	4M	7		✓
2626	0759	0824	^3He	10	4.0	7		✓
2627	0830	0856	^3He	10	4.0	7	Target GUT Reboot NMR Sweep	✓
2628	0857	0924	^3He	10	4.0	7		✓
2629 2629	0925	—	^3He	10	—	—	Junk Left fail start	
2630	0933	0958	^3He	10	4.0	7		✓
2631	0959	1030	^3He	10	4.0	7		✓

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More Comments:

#2629 Left fail startup... Res just *Code*.

#2631 Lengthy RF Trip down time ~ 10mins.

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Date: 5-23-2009	Author: Salvatore Frullone/Tireman
Beam Energy: 2.425 GeV	Using Pol ³ He Cell: <input checked="" type="radio"/> N, Long, <input checked="" type="radio"/> Tran, or Vertical
RHRS	BigBite
Momentum (GeV/c): 2.2248 Polarity: "-"	Current (A): 515 Polarity: Positive
Angle: 16.0° Sieve Plate: IN or <input checked="" type="radio"/> OUT?	Angle: 75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
21523	0505	0532	³ He	10	4.257	17		✓
21524	0533	0558	³ He	10	4.267	17		✓
21525	0559	0628	³ He	10	4.287	16		✓
21526	0629	0657	³ He	10	4.277	16		✓
21527	0700	0731	³ He	10	4.297	16		✓
21528	0732	0757	³ He	10	4.247	17		✓
21529	0758	0824	³ He	10	4.25	17		✓
21530	0830	0856	³ He	10	4.25	17	Target GUI Reboot NMR Sweep	✓
21531	0857	0924	³ He	10	4.25	17		✓
21532	0925	—	³ He	10	—	—	Junk Left Side	✗
21533	0933	0.958	³ He	10	4.26	17		✓
21534	0959	1030	³ He	10	4.27	17		✓

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More Comments:

#21534 Lengthy RF Trap recovery.

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Date: 5-23-2009	Author: William Tiren
Beam Energy: 2.425 GeV	Using Pol ^3He Cell: <input checked="" type="checkbox"/> N, Long, <input checked="" type="checkbox"/> Tra, or Vertical
LHRS	BigBite
Momentum (GeV/c): 2.277	Polarity: "-" Current (A): 515
Angle: 14.5°	Sieve Plate: IN or <input checked="" type="checkbox"/> OUT Angle: 75°
Polarity: Positive	

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
2632	1031	1058	^3He	10	4.0	7		✓
2633	1059	1126	^3He	10	4.0	7		✓
2634	1127	1153	^3He	10	4.0	7		✓
2635	1154	1222	^3He	10	4.0	7		✓
2636	1223	1250	^3He	10	4.0	7		✓
2637	1252	1322	^3He	10	4.0	7		✓
2638	1332	1400	^3He	10	4.0	7	Half-wave plate change (SW) NMR sweep	✓
2639	1401	1429	^3He	10	4.0	7		✓
2640	1430	1458	^3He	10	4.0	7		✓
2641	1469	1533	^3He	10	4.0	7		✓
2642	1533	1559	^3He	10	4.0	7		✓
2643	1559	16:31	^3He	10	4 M	7		

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More Comments: