

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

Date: 5-23-2009	Author: William Tireman
Beam Energy: 2.425 GeV	Using Pol $^3\text{He}$ Cell: <input checked="" type="checkbox"/> N, Long, <input checked="" type="checkbox"/> Tran, or Vertical
RHRS	BigBite
Momentum (GeV/c): 2.2248 Polarity: "-"	Current (A): 515 Polarity: Positive
Angle: $16.0^\circ$ Sieve Plate: IN or <input checked="" type="checkbox"/> OUT?	Angle: 750

Run Number	Start Time	Stop Time	Target	Beam ( $\mu\text{A}$ )	Number of Events	Dead Time	Comments	Replay Ok?
21535	1031	1058	$^3\text{He}$	10	4.27	17		✓
21536	1059	1126	$^3\text{He}$	10	4.28	17		✓
21537	1127	1153	$^3\text{He}$	10	4.24	17		✓
21538	1154	<del>1222</del>	$^3\text{He}$	10	4.27	17		✓
21539	1223	1250	$^3\text{He}$	10	4.27	17		✓
21540	1251	1322	$^3\text{He}$	10	4.29	17		✓
21541	1332	1400	$^3\text{He}$	10	4.26	16	Half-wave plate change (IN) NMR sweep	✓
21542	1401	1429	$^3\text{He}$	10	4.27	17		✓
21543	1430	1458	$^3\text{He}$	10	4.27	17		✓
21544	1459	1533	$^3\text{He}$	10	4.28	17		✓
21545	1533	1559	$^3\text{He}$	10	4.26	17		✓
21546	1559	16:31	$^3\text{He}$	10	4.29M	17		

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Date: 5-23-09	Author: Brad Schoenrock
Beam Energy: 2.429 GeV	Using Pol $^3\text{He}$ Cell: <input checked="" type="radio"/> Y/N, <input checked="" type="radio"/> Long, <input checked="" type="radio"/> Trap, or Vertical
LHRS	BigBite
Momentum (GeV/c): 2.277	Polarity: "-" Current (A): 515
Angle: 14.5°	Sieve Plate: IN or <input checked="" type="radio"/> OUT? Angle: 75°

Run Number	Start Time	Stop Time	Target	Beam ( $\mu\text{A}$ )	Number of Events	Dead Time	Comments	Replay Ok?
2644	16:33	16:58	$^3\text{He}$	10	4M	6		✓
2645	16:59	17:27	$^3\text{He}$	10	4M	7		✓
2646	17:59	18:26	$^3\text{He}$	10	4M	7	first run after NMR sweep	✓
2647	18:26	18:54	$^3\text{He}$	10	4M	7		✓
<del>2648</del>	18:55	19:22	$^3\text{He}$	10	4M	7		✓
2649	19:22	19:49	$^3\text{He}$	10	4M	7		✓
2650	19:50	20:17	$^3\text{He}$	10	4M	7		✓
2651	20:18	20:46	$^3\text{He}$	10	4M	7		✓
2652	20:47	21:13	$^3\text{He}$	10	4M	6		✓
2653	21:14	21:43	$^3\text{He}$	10	4M	7		✓
2654	21:46	21:47	$^3\text{He}$	10	70K	7	setting up Myppex first run after NMR sweep	
2655	21:50	22:17	$^3\text{He}$	10	4M	7		✓

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Date: 5-23-09	Author: Brad Schoenrock
Beam Energy: 2.425 GeV	Using Pol <sup>3</sup> 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
Angle: 16°	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?
21547	16:33	16:58	<sup>3</sup> He	10	4.28M	17		✓
21548	16:59	17:28	<sup>3</sup> He	10	4.26M	17		✓
21549	17:59	18:26	<sup>3</sup> He	10	4.27M	16	first run after NMR sweep	✓
21550	18:26	18:54	<sup>3</sup> He	10	4.27M	17		✓
21551	18:55	19:22	<sup>3</sup> He	10	4.28M	17		✓
21552	19:22	19:49	<sup>3</sup> He	10	4.27M	17		✓
21553	19:50	20:17	<sup>3</sup> He	10	4.27M	17		✓
21554	20:18	20:46	<sup>3</sup> He	10	4.26M	17		✓
21555	20:47	21:13	<sup>3</sup> He	10	4.27M	16		✓
21556	21:14	21:43	<sup>3</sup> He	10	4.28M	17		✓
21557	21:46	21:47	<sup>3</sup> He	10	75K	17	Settings up Mapper first run after NMR sweep	
21558	21:50	22:17	<sup>3</sup> He	10	4.28M	17		✓

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Date: 5/23/09	Author: Brad Schenrock
Beam Energy: 2.425 GeV	Using Pol $^3\text{He}$ Cell: <del>W</del> N, Long, <u>Tran</u> , or Vertical
LHRS	BigBite
Momentum (GeV/c): 2.277	Polarity: "-"
Angle: 14.5°	Sieve Plate: IN or <u>OUT</u> ?
	Current (A): 515
	Polarity: Positive
	Angle: 75°

Run Number	Start Time	Stop Time	Target	Beam ( $\mu\text{A}$ )	Number of Events	Dead Time	Comments	Replay Ok?
2656	22:18	22:45	$^3\vec{\text{He}}$	10	4M	7		✓
2657	22:46	23:14	$^3\vec{\text{He}}$	10	4M	7		✓
2658	23:15	23:42	$^3\vec{\text{He}}$	10	4M	7		✓
2659	23:43	00:11	$^3\vec{\text{He}}$	10	4M	7		✓
2660	00:13	00:39	$^3\vec{\text{He}}$	10	4M	7		✓
2661	00:40					7	stopped JUKA	
2662	00:47	01:12	$^3\vec{\text{He}}$	10	4M	6		✓
2663	01:14	01:41	$^3\vec{\text{He}}$	10	4M	6		✓
2664	01:43	02:13	$^3\vec{\text{He}}$	10	4M	7		✓
2665	02:14	02:41	$^3\vec{\text{He}}$	10	4M	6		✓
2666	02:42	03:12	$^3\vec{\text{He}}$	10	4M	6		✓
2667	03:13	03:43	$^3\vec{\text{He}}$	10	4M	6		✓

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Date: 5/23/09	Author: Brad Schoenrock
Beam Energy: 2.425 GeV	Using Pol <sup>3</sup> He Cell: (Y/N), Long, (Tran), or Vertical
RHRS	BigBite
Momentum (GeV/c): 2.2248	Polarity: "-" Current (A): 5/5
Angle: 16°	Sieve Plate: IN or (OUT) Angle: 75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
21559	22:18	22:45	<sup>3</sup> He	10	4.26M	17		✓
21560	22:46	23:15	<sup>3</sup> He	10	4.28M	17		✓
21561	23:15	23:43	<sup>3</sup> He	10	4.27M	17		✓
21562	23:43	00:12	<sup>3</sup> He	10	4.277	17		✓
21563	00:12	00:40	<sup>3</sup> He	10	4.267	17		✓
21564	00:40						STOP STARTED KILL CODA	
21565	00:46	01:13	<sup>3</sup> He	10	4.257	16		✓
21566	01:13	01:42	<sup>3</sup> He	10	4.277	17		✓
21567	01:43	02:13	<sup>3</sup> He	10	4.284	16		✓
21568	02:13	02:41	<sup>3</sup> He	10	4.267	17		✓
21569	02:41	03:13	<sup>3</sup> He	10	4.27	16		✓
21570	03:13	03:43	<sup>3</sup> He	10	4.26	17		✓

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Date: 5-24-2009	Author: Selwyn Franklin
Beam Energy: 2.425 GeV	Using Pol $^3\text{He}$ Cell: <input checked="" type="checkbox"/> N, Long, <input checked="" type="checkbox"/> Tran, or Vertical
LHRS	BigBite
Momentum (GeV/c): 2.277 Polarity: "-"	Current (A): 555 Polarity: Positive
Angle: 14.5° Sieve Plate: IN or <input checked="" type="checkbox"/> OUT?	Angle: 75°

Run Number	Start Time	Stop Time	Target	Beam ( $\mu\text{A}$ )	Number of Events	Dead Time	Comments	Replay Ok?
2668	0344	0411	$^3\vec{\text{He}}$	10	4M	6		✓
2669	0412	0439	$^3\vec{\text{He}}$	10	4M	6		✓
2670	0440	0507	$^3\vec{\text{He}}$	10	4M	7		✓
2671	0508	0534	$^3\vec{\text{He}}$	10	4M	7		✓
2672							2672 2673 } UNK	
2674	0546	0614	$^3\vec{\text{He}}$	10	4M	7		✓
2675	0615	0642	$^3\vec{\text{He}}$	10	4M	7		✓
2676	0643	0709	$^3\vec{\text{He}}$	10	4M	6		✓
2677	0711	0737	$^3\vec{\text{He}}$	10		6		✓
2678	0738	0805	$^3\vec{\text{He}}$	10	4M	7		✓
2679	0806	0832	$^3\vec{\text{He}}$	10	4M	6		✓
2680	0833	0901	$^3\vec{\text{He}}$	10	4M	7		✓

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Date: 5.24.2009	Author: Salvatore Frullani
Beam Energy: 2.425 GeV	Using Pol $^3\text{He}$ Cell: <input checked="" type="radio"/> N, Long, <input checked="" type="radio"/> (ran), or Vertical
RHRS	BigBite
Momentum (GeV/c): 2.2248 Polarity: "-"	Current (A): 575 Polarity: Positive
Angle: 16° Sieve Plate: IN or <input checked="" type="radio"/> (OUT)?	Angle: 75°

Run Number	Start Time	Stop Time	Target	Beam ( $\mu\text{A}$ )	Number of Events	Dead Time	Comments	Replay Ok?
21571	0344	0411	$^3\text{He}$	10	4.26M	17		✓
21572	0412	0439	$^3\text{He}$	10	4.26M	17		✓
21573	0439	0507	$^3\text{He}$	10	4.26	17		✓
21574	0507	0534	$^3\text{He}$	10	4.32M	17		✓
21575	0535	0540			1.4M		21575 21577 21576 JUNK	
21578	0546	0615	$^3\text{He}$	10	4.27M	17		✓
21579	0615	0642	$^3\text{He}$	10	4.27M	16		✓
21580	0643	0709	$^3\text{He}$	10	4.27M	16		✓
21581	0710	0737	$^3\text{He}$	10	4.26M	17		✓
21582	0738	08:05	$^3\text{He}$	10	4.27M	17		✓
21583	08:06	08:32	$^3\text{He}$	10	4.26M	17		✓
21584	08:33	09:01	$^3\text{He}$	10	2.28M	17		✓

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Beam Energy: 2.425 GeV	Using Pol $^3\text{He}$ Cell: <input checked="" type="checkbox"/> N, <input checked="" type="checkbox"/> Long, <input checked="" type="checkbox"/> Tran, or Vertical
LHRS	BigBite
Momentum (GeV/c): 2.277	Polarity: "-" Current (A): 515
Angle: $14.5^\circ$	Sieve Plate: IN or <input checked="" type="checkbox"/> OUT? Angle: $75^\circ$
Polarity: Positive	

Run Number	Start Time	Stop Time	Target	Beam ( $\mu\text{A}$ )	Number of Events	Dead Time	Comments	Replay Ok?
2681	09:02	09:36	$^3\text{He}$	10	4M	7		✓
2682	09:34	10:02	$^3\text{He}$	10	4M	7		✓
2683	10:03	10:30	$^3\text{He}$	10	4M	7		✓
2684	10:31	10:57	$^3\text{He}$	10	4M	7		✓
2685	10:58	11:32	$^3\text{He}$	10	4M	6		✓
2686	11:34	12:03	$^3\text{He}$	10	4M	7		✓
2687	12:04	12:33	$^3\text{He}$	10	4M	7		✓
2688	12:34	13:04	$^3\text{He}$	10	4M	7		✓
2689	13:05	13:35	$^3\text{He}$	10	4M	7		✓
2690	13:38	14:15	$^3\text{He}$	10	4M	7		✓
2691	14:16	14:48	$^3\text{He}$	10	4M	7		✓
2692	14:49	15:19	$^3\text{He}$	10	4M	7		✓

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Beam Energy: 2.425 GeV	Using Pol $^3\text{He}$ 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: $16^\circ$ Sieve Plate: IN or <input checked="" type="radio"/> OUT?	Angle: 75

Run Number	Start Time	Stop Time	Target	Beam ( $\mu\text{A}$ )	Number of Events	Dead Time	Comments	Replay Ok?
21585	09:02	09:30	$^3\vec{\text{He}}$	10	4.27M	17		✓
21586	09:34	10:03	$^3\vec{\text{He}}$	10	4.28M	17		✓
21587	10:03	10:30	$^3\vec{\text{He}}$	10	4.26M	17		✓
21588	10:31	10:57	$^3\vec{\text{He}}$	10	4.27M	17		✓
21589	10:58	11:32	$^3\vec{\text{He}}$	10	4.28M	16		✓
21590	11:34	12:03	$^3\vec{\text{He}}$	10	4.28M	17		✓
21591	12:04	12:33	$^3\vec{\text{He}}$	10	4.26M	17		✓
21592	12:34	13:04	$^3\vec{\text{He}}$	10	4.28M	17		✓
21593	13:05	13:36	$^3\vec{\text{He}}$	10	4.29M	16		✓
21594	13:38	14:15	$^3\vec{\text{He}}$	10	4.38M	16		✓
21595	14:16	14:48	$^3\vec{\text{He}}$	10	4.21M	17		✓
21596	14:49	15:14	$^3\vec{\text{He}}$	10	4.28M	17		✓

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Date: 5/24/09	Author: Brad Schoenrock
Beam Energy: 2.425 GeV	Using Pol $^3\text{He}$ Cell: <input checked="" type="radio"/> N, Long, <input checked="" type="radio"/> Tran or Vertical
LHRS Momentum (GeV/c): 2.277 Angle: $14.5^\circ$	BigBite Current (A): 515 Polarity: Positive Angle: $75^\circ$ Sieve Plate: IN or <input checked="" type="radio"/> OUT?

Run Number	Start Time	Stop Time	Target	Beam ( $\mu\text{A}$ )	Number of Events	Dead Time	Comments	Replay Ok?
2693	15:19	15:45	$^3\text{He}$	10	4M	7		✓
2694	15:46	16:14	$^3\text{He}$	10	4M	7		✓
2695	16:18	16:45	$^3\text{He}$	10	4M	7		✓
2696	16:47	<del>16:47</del> 17:14	$^3\text{He}$	10	4M	7		✓
2697	17:16	17:41	$^3\text{He}$	10	4M	7		✓
2698	17:43	18:13	$^3\text{He}$	10	4M	7		✓
2699	18:14	18:28	$^3\text{He}$	10	1.9M	7	Early end due Target Spin flip (+)	
2700	18:38	19:04	$^3\text{He}$	10	4M			✓
2701	19:05	19:33	$^3\text{He}$	10	4M	7		✓
2702	19:34	20:00	$^3\text{He}$	10	4M	7		✓
2703	20:02	20:37	$^3\text{He}$	10	4M	6		✓
2704	20:38	21:04	$^3\text{He}$	10	4M	7		✓

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