

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

Date: 5/20/09	Author: Eric Jensen
Beam Energy: 2.425 GeV	Using Pol ^3He Cell: <input checked="" type="checkbox"/> N Long, <input type="checkbox"/> Tran, or Vertical
RHRS	BigBite
Momentum (GeV/c): 2.225 Polarity: "-"	Current (A): 518 Polarity: Positive
Angle: 16° 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?
21398	2:27	2:53	^3He	10 μA	4.3	16		✓
21399	2:54	3:23	^3He	10 μA	4.3	17		✓
21400	3:23	3:54	^3He	10 μA	4.3	16	Event type dist- "5" a factor of 10 higher	✓
21401	3:54	4:26	^3He	10 μA	4.3	16		✓
21402	4:28	4:58	^3He	10 μA	4.3	17		✓
21403	4:58	5:27	^3He	10 μA	4.3	17		✓
21404	5:28	5:55	^3He	10 μA	4.3	16		✓
21405	5:55	6:24	^3He	10 μA	4.3	16		✓
21406	6:26	6:55	^3He	10 μA	4.3	16	Beam trip @ start of run	✓
21407	6:56	7:24	^3He	10 μA	4.3	17		✓
21408	7:24	7:54	^3He	10 μA	4.3	17		✓
21409	7:55	8:32	^3He	10 μA	4.3	17		✓

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Date: 05/20/09	Author: Kai Pan
Beam Energy: 2.427 GeV	Using Pol ^3He Cell: <input checked="" type="checkbox"/> N, <input type="checkbox"/> Long, <input type="checkbox"/> Tran, or <input type="checkbox"/> Vertical
LHRS	BigBite
Momentum (GeV/c): 2.277 Polarity: "-"	Current (A): 5.5 Polarity: Positive
Angle: 14.5° Sieve Plate: IN or OUT?	Angle: 20°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
2501	0835	0907	^3He	10	4	6		✓
2502	0908	0947	^3He	10	4	7		✓
2503	0953	1021	^3He	10	4	6		✓
2509	1608	1643	^3He	10	4M	6		✓
2510	1643	1715	"	"	4M	6		✓
2511	1715	1742	"	"	4M	6		✓
2512	1743	1811	"	"	4M	7		✓
2513	1811	1840	"	"	4M	7		✓
2514	1852	1918	"	"	4M	6	spin dir reversed	✓
2515	1919	1946	"	"	4M	7		✓
2516	1946	2013	"	"	4M	7		✓
2517	2014	2046	"	"	4M	6		✓

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Date: 05/20/09	Author: Kai Pan		
Beam Energy: 2.427 GeV	Using Pol ^3He Cell: Y/N, Long, Tran, or Vertical		
RHRS	BigBite		
Momentum (GeV/c): 2.224	Polarity: "-"	Current (A): 575	Polarity: Positive
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?
21410	0835	0907	^3He	10	4.3	15.		✓
21411	0908	0947	^3He	10	4.3	16.		✓
21412	0953	1021	^3He	10	4.4	16.		✓
21413	1608	1643	^3He	10	4.3	16		✓
21414	1643	1715	"	"	4.3	16		✓
21415	1715	1742	"	"	4.3	16		✓
21416	1743	1811	"	"	4.3M	17		✓
21417	1811	1840	"	"	4.3M	16		✓
21418	1852	1918	"	"	4.3M	17	spin dir reversed	✓
21419	1919	1946	"	"	4.3M	17		✓
21420	1946	2013	"	"	4.3M	17		✓
21421	2014	2046	"	"	4.3	17		✓

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Date: 5/20/09	Author: B. Norum
Beam Energy: 2.427 GeV	Using Pol ^3He Cell: <input checked="" type="radio"/> N, Long, <input checked="" type="radio"/> Tran, or Vertical
LHRS	BigBite
Momentum (GeV/c): 2.277 Polarity: "-"	Current (A): 5785 Polarity: Positive
Angle: 14.5 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?
2518	2047	2115	^3He	10	4 M	5		<input checked="" type="checkbox"/>
2519	2119	2123	"	"	0.5M	6	BB mwdc threshold = 5.247V	
2520	2124	2128	"	"	0.5M	6	= 5.0V	
2521	2129	2132	"	"	0.5M	7	= 4.75	
2522	2134	2138	"	"	0.5M	6	= 4.25	
2523	2139	2143	"	"	0.5M	6	= 4.00	
2524	2143	2212	"	"	4 M	6	= 5.50	
2525	2213	2309	"	"	3.7M	7	Accel problem	
2526	0101	0106	BeO OPTICS	?	670k	0	check run router off	
2527	0126	0130	OPTICS		752k	19	check router on 4x4	
2528	0135	0138	^3He	5	233k	1	check spot	
2529	0139	0142	^3He	5	214k		router 6x6	

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Beam Energy: 2.427 GeV	Using Pol ³ He Cell: <input checked="" type="checkbox"/> Y/N, Long <input checked="" type="checkbox"/> Tran, or Vertical
RHRS	BigBite
Momentum (GeV/c): 2.224 Polarity: "-"	Current (A): 515 Polarity: Positive
Angle: 16° 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?
21422	2047	2115	³ He	10	4.3M	16		✓
21423	2119	2123	"	"	0.54M	16	BB mwdc threshold = 5.247V	
21424	2124	2128	"	"	0.54M	16	= 5.0 V	
21425	2129	2132	"	"	0.54M	16	= 4.75 V	
21426	2134	2138	"	"	0.54M	16	= 4.25	
21427	2139	2143	"	"	0.54M	17	= 4.0	
21428	2143	2212	"	"	0.4.3	17	= 5.50	
21429	2213	2309	"	"	4.0	15	Accel problem	
21430	0101	0116	OPTICS TARGET	0.71	826k	6	check run raster off	
21431	0126	0130	OPTICS		903k	23	check raster on 4x4	
21432	0134	0138	³ He	5	266k	9	check spot	
21433	0139	0142	³ He	5	234k		raster 6x6	

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Date: 5/21/09	Author: S. Fullow
Beam Energy: 2.425 GeV	Using Poi ^3He Cell: <input checked="" type="checkbox"/> N, Long, <input checked="" type="checkbox"/> Tran, or Vertical
LHRS Momentum (GeV/c): 2.277 Polarity: "-"	BigBite 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?
2530	0145	0212	^3He	10	4M	6	PRODUCTION	✓
2531	0214	0242	"	"	4M	7		
2532	0243	0309	"	"	4M	6		✓
2533	0310	0340	"	"	4M	7		✓
2534	0341	0408	"	"	4M	7		✓
2535	0409	0444	"	"	4M	7		✓
2536	0445	0511	"	"	4M	7		
2537	0512	0539	"	"	4M	6		✓
2538	0541	0606	"	"	4M	7		✓
2539	0607	0634	"	"	4M	6		✓
2540	0635	0700	"	"	4M	7		✓
2541	0637	0638	-	0	23K	0	Partial Run	

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Date: 5/21/09	Author: S. Fullen
Beam Energy: 2.425 GeV	Using Pol ^3He Cell: <input checked="" type="radio"/> Y/N, Long <input checked="" type="radio"/> Tran or Vertical
RHRS	BigBite
Momentum (GeV/c): 2.224 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?
21434	0145	0213	^3He	10	4.27	17	PRODUCTION	✓
21435	02:14	0242	"	"	4.37	17		
21436	0243	0309	"	"	4.27	17		✓
21437	0310	0340	"	"	4.37	16		✓
21438	0341	0408	"	"	4.27	17		✓
21439	0409	0444	"	"	4.27	16		✓
21440	0445	0511	"	"	4.26	17		
21441	0512	0540	"	"	4.25	17		✓
21442	0541	0606	"	"	4.26	17		✓
21443	0607	0634	"	"	4.27	17		✓
21444	0635	0700	"	"	4.26	17		✓
21445	0636	08:30	-	0	23K	0	Pedestal Run	

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Date: 5/2/09	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
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 (μA)	Number of Events	Dead Time	Comments	Replay Ok?
2545	16:57	17:01	^3He	0	20K	20	cosmic	
2546	17:04	17:06	^3He	0	5K	19	cosmic	
2547	17:08	18:11	^3He	0	1.25 MA	21	cosmic	
2548	18:34	18:37	optics	2	252K	3		
2549	18:38	18:41	optics	2	200K	3		
2550	18:47	18:50	^3He	2	61K	0	T3=2KHz	
2551	18:52	18:56	^3He	2	73K	1	T3=2KHz	
2552	19:08	19:10	^3He	5	110K	0		
2553	19:18	19:48	^3He	10	4M	7	Production	✓
2554	19:50	20:16	^3He	10	4M	7		✓
2555	20:17	20:47	^3He	10	4M	7		✓
2556	20:49	21:08	^3He	10	1.9M 1.9M	7		

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Beam Energy: 2.425 GeV	Using Pol ^3He Cell: <input checked="" type="radio"/> N, <input type="radio"/> Long, <input type="radio"/> Tran, or Vertical
RHRS	BigBite
Momentum (GeV/c): 2.224 Polarity: "-"	Current (A): 515 Polarity: Positive
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?
21449	16:56	17:01	^3He	0	6K	6	cosmic	
21450	17:04	17:06	^3He	0	2K	7	cosmic	
21451	17:08	18:11	^3He	0	126K	6	cosmic	
21452	18:34	18:37	optics	2	324K	7		
21453	18:38	18:41	optics	2	335K	6		
21454	18:47	18:50	^3He	2	102K	6		
21455	18:52	18:56	^3He	2	114K	7		
21456	19:08	19:10	^3He	2	167K	10		
21457	19:18	19:48	^3He	10	4.26M	17	production	✓
21458	19:50	20:16	^3He	10	4.27M	18		✓
21459	20:17	20:48	^3He	10	4.29M	17		✓
21460	20:49	21:08	^3He	10	2M	17		

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Date: 5/24/09	Author: Brad Schoenrock
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?
2557	21:15	21:40	$^3\vec{\text{He}}$	10	4M	7		✓
2558	21:42	22:07	$^3\vec{\text{He}}$	10	4M	7		✓
2559	22:08	22:43	$^3\vec{\text{He}}$	10	3.37M		Bad dead time	
2560	22:48	22:50	$^3\vec{\text{He}}$	10	169K		check out	
2561	22:57	22:59	$^3\vec{\text{He}}$	10	186K	7	check out	
2562	22:59	23:28	$^3\vec{\text{He}}$	10	4M	7	production	✓
2563	23:30	23:56	$^3\vec{\text{He}}$	10	4M	7		✓
2564	23:57	00:22	$^3\vec{\text{He}}$	10	4M	7		✓
2565	00:24	00:49	$^3\vec{\text{He}}$	10	47	7		✓
2566	00:51	01:18	$^3\vec{\text{He}}$	10	47	6		✓
2567	01:19	01:46	$^3\vec{\text{He}}$	10	47	7		✓
2568	01:46	02:12	$^3\vec{\text{He}}$	10	47	7		

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