

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

Date: 06/07/09	Author: lamiaa
Beam Energy: 2.425 GeV	Using Pol ^3He Cell: <input checked="" type="checkbox"/> N, Long, <input checked="" type="checkbox"/> Tran, or Vertical
RHRS	BigBite
Momentum (GeV/c): 2.175 Polarity: "-"	Current (A): 518 Polarity: Positive
Angle: 18° Sieve Plate: IN or OUT?	Angle: 75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
22174	07:14	07:44	^3He	9	2.83M	11	^3He Prod. run	✓
22175	07:44	08:41	"	9		10	" "	✓
22176	08:16	08:48	"	9	2.8M	10	" "	✓
22177	08:47	09:21	"	"	2.8M	10	" "	✓
22178	09:23	09:51	"	"			not run	
22179	9:30	10:01	"	"	2.84M	10	" "	✓
22180	10:02	10:31	"	"	2.86M	10	" "	✓
22181	10:39	11:1	"	"	2.86M	10	" "	✓
22182	11:12	11:42	"	"	2.88M	10	" "	✓
22183	11:48	12:30	"	"	2.88M	10	" "	✓
22184	12:33	13:03	"	"	2.84M	11	" "	✓
22184	13:04							

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

More Comments:

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

Date: 06/07/09	Author: P. GARIBALDI
Beam Energy: 2.925 GeV	Using Pol ^3He Cell: <input type="radio"/> N, Long <input checked="" type="radio"/> Tran, or Vertical
LHRS	BigBite
Momentum (GeV/c): 2.32	Polarity: "-" Current (A): 5.18
Angle: 17.5°	Sieve Plate: IN or OUT? Angle: 25°
	Polarity: Positive

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
3313	13:04	13:33	^3He	9	4M	8		
3314	13:38	14:09	^3He	9	4M	8		
3315	14:10	14:38	^3He	9	4M	8		
3316	14:41	15:12	^3He	9	4M	7		
3317	15:13	15:46	^3He	9	4M	8		
3318	15:48	16:19	^3He	9	4M	7		✓
3319	16:20	16:50	^3He	9	4M	9		✓
3320	16:51	17:21	^3He	9	4M	8		✓
3321	17:23	17:53	^3He	9	4M	8		✓
3322	17:54	18:32	^3He	9	4M	8		✓
3323	18:33	19:08	^3He	9	4M	8	$\frac{1}{2}$ plane out	✓
3324								

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

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

Date:	06/07/09	Author:	F. GARIBAZZI
Beam Energy:	2.025 GeV	Using Pol ^3He Cell:	Y/N, Long, Tran, or Vertical
RHRS		BigBite	
Momentum (GeV/c):	2.125	Polarity: "-"	Current (A): 518
Angle:	18°	Sieve Plate: IN or OUT ?	Angle: JT
		Polarity: Positive	

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
22185	13:00	13:34	^3He	9	2.85	8		
22186	13:37	14:07	^3He	9	2.85	10		
22187	14:08	14:39	^3He	9	2.85	10		
22188	14:40	15:12	^3He	9	2.86	10		
22189	15:13	15:47	^3He	9	2.85	10		
22190	15:48	16:19	^3He	9	2.85M	10		✓
22191	16:20	16:50	^3He	9	2.85M	10		✓
22192	16:51	17:21	^3He	9	2.85M	10		✓
22193	17:23	17:53	^3He	9	2.86M	10		✓
22194	17:53	18:32	^3He	9	2.86M	10		✓
22195	18:33	19:08	^3He	9	2.86M	10	N_2 plane out.	✓
22196	19							

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

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

Date: 06/07/09	Author: K. Ly
Beam Energy: 2.425 GeV	Using Pol ^3He Cell: <input checked="" type="checkbox"/> N, <input checked="" type="checkbox"/> Long, <input checked="" type="checkbox"/> Tran, or Vertical
LHRS	BigBite
Momentum (GeV/c): 2.32 Polarity: "-"	Current (A): 518 Polarity: Positive
Angle: 12 Sieve Plate: IN or OUT ?	Angle: 75

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
3324	19:14	19:43	^3He	9	4M	8	$\frac{1}{2}$ plane in	<input checked="" type="checkbox"/>
3325	19:44	20:18	^3He	9	4M	7		<input checked="" type="checkbox"/>
3326	20:19	20:49	^3He	9	4M	7		<input checked="" type="checkbox"/>
3327	20:49	21:18	^3He	9	4M	7		<input checked="" type="checkbox"/>
3328	21:20	21:54	^3He	9	4M	7		
3329	21:54	22:25	^3He	9	4M	7		
3330	22:26	23:02	^3He	9	4M	7		
3331	23:03		^3He	9		7	codadied, JUNK	
3332	23:07	23:37	^3He	9	4M	7		<input checked="" type="checkbox"/>
3333	23:39	23:40	^3He	9	4M	7	beam off, JUNK	
3334	23:59	00:29	^3He	9	4M	8		<input checked="" type="checkbox"/>
3335	00:30	01:00	^3He	9	4M	8.1%		<input checked="" type="checkbox"/>

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

More Comments:

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

Date: 06/07/09	Author: H. Ley
Beam Energy: 2.425 GeV	Using Pol ^3He Cell: <input checked="" type="checkbox"/> N, Long, Tran, or Vertical
RHRS	BigBite
Momentum (GeV/c): 2.125 Polarity: "-"	Current (A): 518 Polarity: Positive
Angle: 18 Sieve Plate: IN or OUT ?	Angle: 75

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
22196	19:14	19:49	^3He	9	2.85M	10	$\lambda/2$ plan in	<input checked="" type="checkbox"/>
22197	19:44	20:18	^3He	9	2.86M	10		<input checked="" type="checkbox"/>
22198	20:09	20:49	^3He	9	2.85M	10		<input checked="" type="checkbox"/>
22199	20:49	21:19	^3He	9	2.85M	10		<input checked="" type="checkbox"/>
22200	21:10	21:54	^3He	9	2.86M	10		
22201	21:54	22:25	^3He	9	2.85M	10		
22202	22:26	23:03	^3He	9	2.87M	10		
22203	23:03		^3He	9		10	JUNK, codacrash	<input checked="" type="checkbox"/>
22204	23:07	23:37	^3He	9	2.85M	10		
22205	23:38	23:40	^3He	9	2.85M	10	beam off, JUNK	
22206	23:58	00:29	^3He	9	2.86M	11		<input checked="" type="checkbox"/>
22207	00:30	01:00	^3He	9	2.85M	10.9%		<input checked="" type="checkbox"/>

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

More Comments:

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

Date: 6/8/09	Author: Eric Jensen
Beam Energy: 2.4272 GeV	Using Pol ^3He Cell: <input checked="" type="radio"/> Y/N, <input checked="" type="radio"/> Long, <input checked="" type="radio"/> Tran, or Vertical
LHRS	BigBite
Momentum (GeV/c): 2.320 Polarity: "-"	Current (A): 518 Polarity: Positive
Angle: 12.5° 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?
3336	1:01	01:30	$^3\vec{\text{He}}$	9	4 M	8%		✓
3337	1:33	2:03	$^3\vec{\text{He}}$	9	4 M	7.9%		✓
3338	2:04	2:33	$^3\vec{\text{He}}$	9	4 M	7.8%		✓
3339	2:34	3:04	$^3\vec{\text{He}}$	9	4 M	8%	EB unresponsive @ end of run	✓
3340	3:11	3:15	$^3\vec{\text{He}}$	9	465 K	7.7%	Right arm 100% deadtime	
3341	3:18	3:46	$^3\vec{\text{He}}$	9	4 M	7.9%		✓
3342	3:48	4:21	$^3\vec{\text{He}}$	9	4 M	7.6%		✓
3343	4:24	4:54	$^3\vec{\text{He}}$	9	4 M	7.7%		✓
3344	4:56	5:24	$^3\vec{\text{He}}$	9	4 M	7.8%		✓
3345	5:27	5:57	$^3\vec{\text{He}}$	9	4 M	7.7%		✓
3346	5:58	6:29	$^3\vec{\text{He}}$	9	4 M	7.6%		✓
3347	6:36	7:06	$^3\vec{\text{He}}$	9	4 M	7.7%		✓

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

More Comments:

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

Date: 6/8/09	Author: Eric Jensen
Beam Energy: 2.4272 GeV	Using Pol ^3He Cell: <input checked="" type="radio"/> N, Long <input checked="" type="radio"/> Tran or Vertical
RHRS	BigBite
Momentum (GeV/c): 2.175	Polarity: "-" Current (A): 518
Angle: 18°	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?
22208	1:01	01:30	$^3\vec{\text{He}}$	9	2.84M	10.9%		✓
22209	1:32	2:03	$^3\vec{\text{He}}$	9	2.85M	10.8%		✓
22210	2:03	2:33	$^3\vec{\text{He}}$	9	2.85M	10.8%		✓
22211	2:34	3:04	$^3\vec{\text{He}}$	9	2.84M	10.9%		✓
22213	3:10	3:15	$^3\vec{\text{He}}$	9	\emptyset	100%	Restarted CODA	
22214	3:17	3:47	$^3\vec{\text{He}}$	9	2.84M	10.9%		✓
22215	3:47	4:21	$^3\vec{\text{He}}$	9	2.87M	10.7%		✓
22216	4:24	4:55	$^3\vec{\text{He}}$	9	2.86M	10.8%		✓
22217	4:55	5:25	$^3\vec{\text{He}}$	9	2.85M	10.8%		✓
22218	5:26	5:57	$^3\vec{\text{He}}$	9	2.86M	10.7%		✓
22219	5:58	6:29	$^3\vec{\text{He}}$	9	2.86M	10.7%		✓
22220	6:36	7:06	$^3\vec{\text{He}}$	9	2.85M	10.8%		✓

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

More Comments:

22212 - Left EBI became unresponsive @ end of run # 3339. Had to restart coda & start over.

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

Date: 6/8/09	Author: Eric Jensen
Beam Energy: 2.4272 GeV	Using Pol ³ He Cell: <input checked="" type="radio"/> YN, <input checked="" type="radio"/> Long, <input checked="" type="radio"/> Tran, or Vertical
LHRS	BigBite
Momentum (GeV/c): 2.320	Polarity: "-" Current (A): 518
Angle: 12.5°	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?
3348	7:07	7:19	³ He	9			ROC 5 crash	✓
3349	7:23	7:25	³ He	9	∅	100%	Restarted coda	
3350	7:29	8:03	³ He	9	4M	7.6%		✓
3351	8:04	8:44	³ He	9	4M			✓
3352	8:48	9:23	³ He	9	4M	7		✗
3353	9:25	9:55	³ He	9	4M	8		✓
3354	9:57	10:29	³ He	9	4M	7		✓
3355	10:30	11:00	³ He	9	1.6M	7	run stop because beam off	✓
3356	11:05	11:36	³ He	9	4M	7		✓
3357	11:38	12:11	³ He	9	4M	8		✓
3358	12:13	12:50	³ He	9	4M	8		✓
3359	12:56	13:29	³ He	9	4M	7		✓

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

More Comments:

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

Date: 6/8/09	Author: Eric Jensen
Beam Energy: 2.4272 GeV	Using Pol ^3He Cell: <input checked="" type="radio"/> N, Long, <input checked="" type="radio"/> Tran, or Vertical
RHRS	BigBite
Momentum (GeV/c): 2.175	Polarity: "-" Current (A): 518
Angle: 18°	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?
22221	7:06	7:19	$^3\vec{\text{He}}$	9	1.11 M	10.8%	Left roc 5 crash	✓
22222	7:22	7:25	$^3\vec{\text{He}}$	9	189k	10.9%	restarted left coda	
22223	7:28	8:03	$^3\vec{\text{He}}$	9	2.86 M	10.7%		✓
22224	8:04	8:45	$^3\vec{\text{He}}$	9	2.864			✓
22225	8:48	9:23	$^3\vec{\text{He}}$	9	2.85	10		✓
22226	9:25	9:56	$^3\vec{\text{He}}$	9	2.86	11		✓
22227	9:52	10:29	$^3\vec{\text{He}}$	9	2.86	11		✓
22228	10:30	11:00	$^3\vec{\text{He}}$	9	1.16 M	10	run stop because beam off.	✓
22229	11:05	11:36	$^3\vec{\text{He}}$	9	2.85	11		✓
22230	11:37	12:11	$^3\vec{\text{He}}$	9	2.87	11		✓
22231	12:13	12:50	$^3\vec{\text{He}}$	9	2.86	11		✓
22232	12:52	13:33	$^3\vec{\text{He}}$	9	2.86	11		✓

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

More Comments:

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

Date: 6/8/09	Author: F. GARIBALDI
Beam Energy: 2.4272 GeV	Using Pol ^3He Cell: <input checked="" type="checkbox"/> N, Long, <input checked="" type="checkbox"/> Tran, or Vertical
LHRS	BigBite
Momentum (GeV/c): 2.320	Polarity: "-"
Angle: 12.5°	Sieve Plate: IN or <input checked="" type="checkbox"/> OUT?
	Current (A): 518
	Polarity: Positive
	Angle: 75°

Run Number	Start Time	Stop Time	Target	Beam (μA)	Number of Events	Dead Time	Comments	Replay Ok?
3360	15:34	14:24	^3He	9	4M	8		
3361	14:33	15:07	^3He	9	4M	8		
3362	14:28	15:53	^3He	9	4M	8		
3363	15:55	16:08	^2He	9	0.3M	7	Coda crashed, junk	
3364	junk, complete coda restart with ROC reboots							
3365	16:19	16:54	^3He	9	3.79	8%		✓
3366	16:55	17:30	^3He	9	4.00	8		✓
3367	17:30	18:07	^3He	9	4.0	8	} ← one laser tripped during this run	✓
3368	18:08	18:38	^3He	9	4.0M	8		✓
(1) 3369	18:44	18:46	Optics	5	0.5M	large	set prescales	u/a
(1) 3370	18:48	19:03	Optics	5	3.5M	30%	ps1=ps2=2000 (~200-250 Hz of T ₁ , T ₂))
(2) 3371	19:06	19:25	Optics	5	4.0M	29%	ps1=ps2=2000 (—)	

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

More Comments:

- (1) = Raster ON
- (2) = Raster OFF