

18 Aug 2018

Q1=130 D=55.75

Hulla 5509, 5501

B3 692428176

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~moller/doc/runtemplate_2019_1.pdf

Date	Begin time	End time	Crew					Comments	
18/08/19			Eric, Caryn, Kent						
Energy	Linac	Injector	Pass	Wien Angle	HWP	Slit	Attenuat	Raster	
0.95	450MeV		1	-13°		16		OFF	
		Q1	Q2	Q3	Q4	Dipole			
Amps		130	-30.732	0	24.809	55.75			

N	Time	I _{beam} Curr	Run Number	Targ et	H _{coil} Field	Polarization %	FADC	Comments
1								
2	8:40							Take beam off for Hubler measurement
3	8:58							Cycling Q1 Q2 Q3 Q4
4	9:03						55.75	Dipole scan cycling Q1=135
5	9:13						60 A	Ramping Solenoid to 60 A
6	9:30							Set Q1 = 130 A
7	9:55						75 A	Ramping Solenoid to 75 A 4.02 T
8								
9	10:09	5 μA						Tune beam
10		0.3						CW beam
11	11:37							Set Target #3 4 μm
12								Slit=16 Att=130.76mm (4.95)
13	11:48	0	17432					Dipole scan to 60 A
14	11:55	0.3	17433					Q1=130 A D=60 A Dipole scan
15								ADC Left
16	11:59	0.3	17434					D=60 T=230
17	12:02	0.3	17435					D=60
18	12:04	0.3	17436					D=60
19	12:06	0.3	17437					D=58
20	12:08		17438					D=57
21	12:10		17439					D=56
22	12:14		17440					D=55
23	12:17		17441					D=54
24	12:19		17442					D=53
25	12:21		17443					D=52
26	12:23		17444					D=51

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N	Time	I _{beam} curr	Run Number	Targ et	H _{coil} Field	Polarization %	FADC	Comments
1	12:29							Cycle Dipole to 55.25 A T=230
2	12:34							Cycle Q1 to 150 A
3	12:40	0.3	17445	3	4			Q1=150 A D=55.25
4	12:43	0.3	17446	3	4	No settings		Q1=145 A
5	12:46	0.3	17447	3	4	from detector		Q1=140 A
6	12:48	0.3	17448	3	4	in mollernun_set		Q1=135
7	12:53	0.3	17449	3	4			Q1=130
8	12:55	0.3	17450	3	4			Q1=125
9	12:58	0.3	17451	3	4			Q1=120
10	13:00	0.3	17452	3	4			Q1=115
11								reboot "mpc" GUI
12								cycling Q1 to 130 A HWP=IN
13	13:18		17453	3		Production		Q1=130 D=55.25
14	13:21	0.6	17454	3		Set=34.65		Left T=230
15	13:25	0.6	17455	3		Att=188		current
16	13:29	0.7	17456	3	4			
17	13:32	0.7	17457	3	4			
18	13:34	0.7	17458	3	4			
19	13:37	0.7	17459	3	4			
20	13:39	0.7	17460	3	4			
21								
22	13:42	-	17461					Bleedthrough Hall B=100 nA
23	13:56	-	17462			Set=30 Att=245		Set adjustment
24								
25	14:04	0.8	17463	3	4			
26	14:06	0.8	17464	3	4			
27	14:10	0.8	17465	3	4			
28	14:14	0.8	17466	3	4			
29	14:17	0.8	17467	3	4			
30	14:19	0.8	17468	3	4			
	14:21	0.8	17469	3	4			
	14:24	0.8	17470	3	4			

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N	Time	I_{beam} curr	Run Number	Target	H_{coil} Field	Polarization %	FADC	Comments
1	14:26	0.8	17471	3	4	Continue	$Q_1 = 130A$	$D = 55.25$
2	14:28	0.8	17472	3	4	Production		HWP = IN
3	14:31	0.8	17473	3	4			Left $T = 230 \mu V$
4	14:33	0.8	17474	3	4			Set = 30
5	14:35	0.8	17475	3	4			Acc = 245
6	14:38	0.8	17476	3	4			
7	14:40	0.8	17477					
8						HWP = OUT		
9	14:44	0.8	17478	3	4	Current unstable		$0.8 - 1.1 \mu A$
10	14:46	0.8	17479	3	4			
11	14:49	0.8	17480	3	4			
12	14:52	0.8	17481	3	4			
13	14:54	0.8	17482	3	4			
14	14:57	0.8	17483	3	4			
15	14:59	0.8	17484	3	4			
16	15:01	0.8	17485	3	4			
17	15:03	0.8	17486	3	4			
18	15:06	0.8	17487	3	4			
19	15:08	0.8	17488	3	4			
20	15:11	0.8	17489	3	4			
21	15:13	0.8	17490	3	4			
22	15:15	0.8	17491	3	4			
23	15:17	0.8	17492	3	4			
24	15:19	0.8	17493	3	4			
25	15:22	0.8	17494	3	4			
26	15:24	0.8	17495	3	4			
27	15:26	0.8	17496	3	4			
28	15:28	0.8	17497	3	4			
29								
30	15:34					Backup $Q_1 Q_2 Q_3 Q_4$, Dipole - OFF		
						Target OUT (Parked)		
						Solenoid Ramping to 0, HV OFF		